



e v o l u t i o n

Manuel de Service



S E R V I C E -  
A N L E I T U N G



Service Manual

**REVOX®**

## Serviceanleitung evolution

### Inhalt

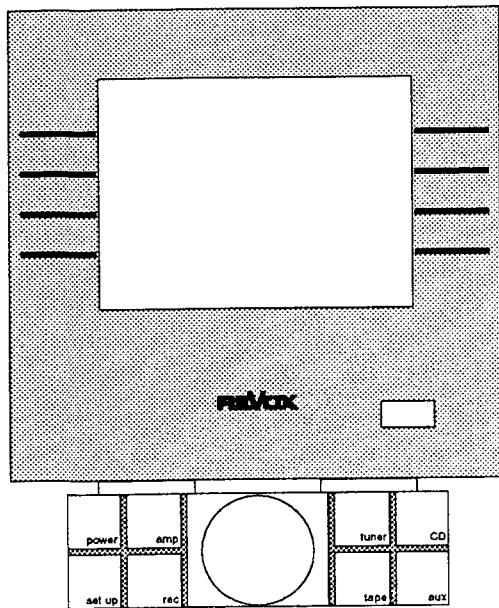
- Display und Keyboard
- Die evolution Basis-Komponenten, Rückansicht
- Die evolution IR-Fernbedienung
- Anschlüsse auf der Verstärker-Rückseite
- Übersicht über die evolution Bedienungs-Menus
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**Hinweis:** Der Zusammenbau sowie Bedienung und Funktionsweise der evolution HiFi-Anlage sind in der «Betriebsanleitung evolution» Bestellnr. 10.30.0300 ausführlich beschrieben. Die Kenntnis dessen Inhalt's wird in dieser Serviceanleitung vorausgesetzt.

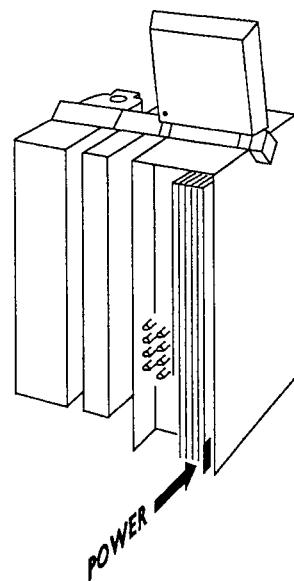
### Definition der Drehrichtung bei Drehreglern

Linksdrehung	= Drehung im Gegenuhrzeigersinn
Rechtsdrehung	= Drehung im Uhrzeigersinn

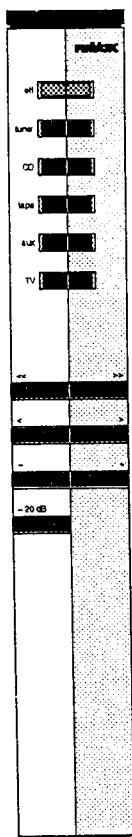
**Anzeige- und Bedienungseinheit**



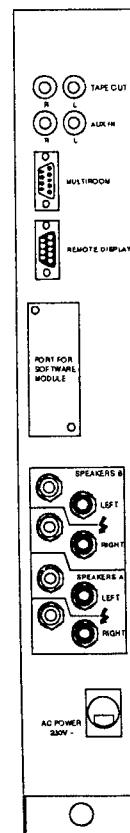
**Die evolution Basis-Komponenten**



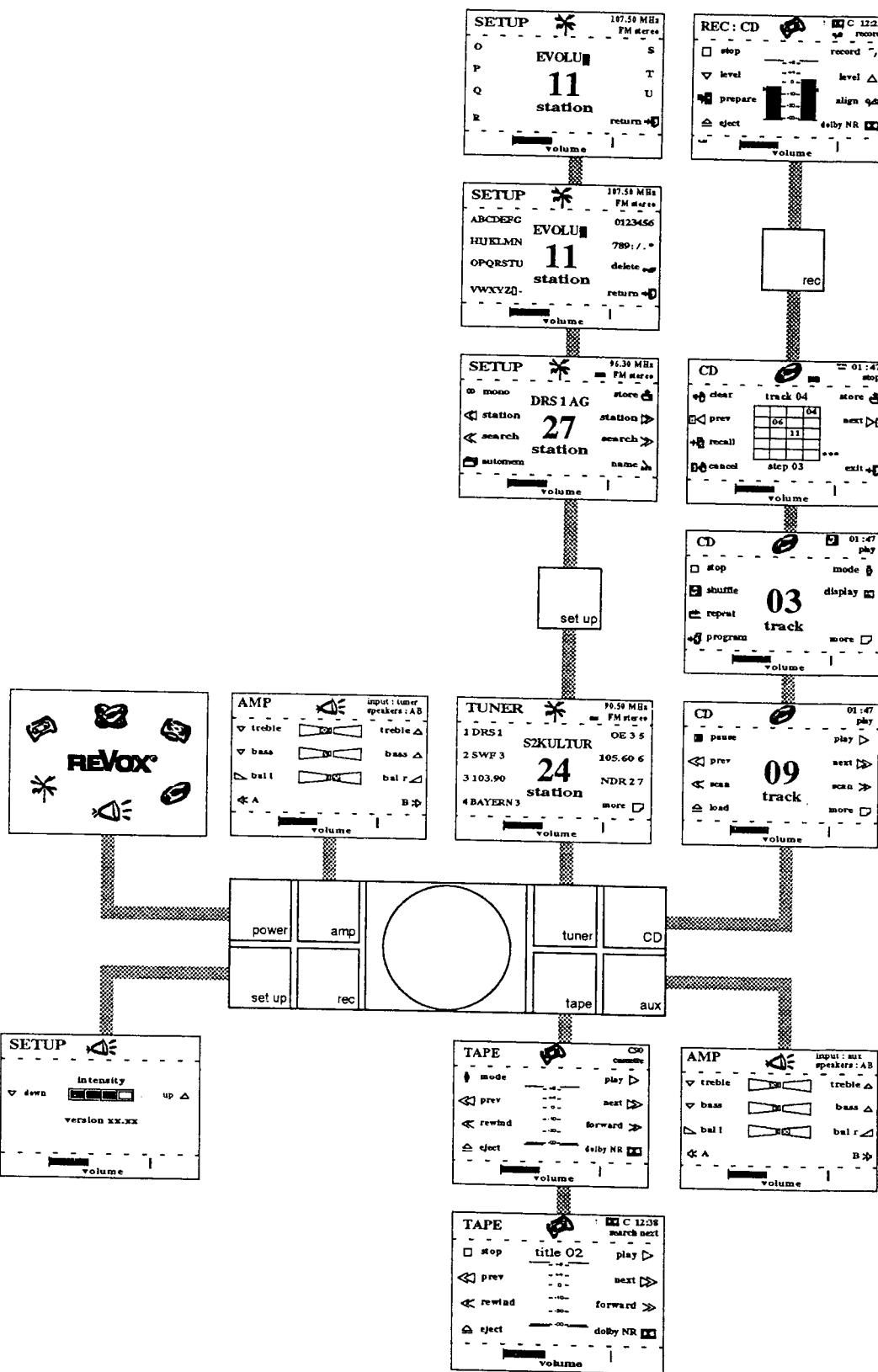
**IR Handfernbedienung**



**Anschlüsse auf der Verstärker-Rückseite**



**Übersicht • evolution Bedienungsmenus**



## Technische Daten

### Allgemeine Daten

Verstärker, Tuner, CD-Spieler, Kassettengerät

#### Bedienung:

Via Menu über lokales Display-Modul  
VOLUME über Drehknopf  
Fernbedienung: über IR mit RC-5 Codes  
im Systemverbund (Bus): interner Datenbus

#### Lokale Anzeige:

LCD Matrix-Display, beleuchtet, in  
4 Stufen einstellbar  
voll grafikfähig, 320 x 240 Punkte

#### Stromversorgung:

fest mont. Euro-Netzanschluss 2-pol.  
für alle Spannungen 50...60 Hz  
220...230V AC 198...242 V, Sicherung T 3.15 A

#### Leistungsaufnahme:

maximal:	600 W
Betrieb: typisch, je nach Funktion	40..60 W
Standby:	5 W

#### Betriebsbedingungen:

Feuchtekasse F nach DIN 40040 +10...+40° C

#### Abmessungen (B x H x T):

AMP+TUNER+CD:	max.	390 x 675 x 330mm	
	min.	390 x 646 x 330mm	
AMP+TUNER+CD+TAPE:	max.	535 x 675 x 330mm	
	min.	535 x 646 x 330mm	

<b>Gewicht (Masse):</b>	Verstärker:	14 kg	
	Tuner:	8 kg	
	CD-Spieler:	7 kg	
	Kassettengerät:	7 kg	

### Verstärker

#### Spitzenleistung:

1 kHz, 1 Per.ein / 16Per. aus:	
an 4 Ohm:	2 x 250 W
an 8 Ohm:	2 x 130 W

#### Sinusleistung:

(DIN 45500):	
an 4 Ohm:	2 x 150 W
an 8 Ohm:	2 x 100 W

nach IEC 65: an 8 Ohm: 2 x 100 W

#### Dämpfungsfaktor:

bei 1 kHz, 8 Ohm: >100

#### Harmonische Verzerrungen:

bei 1 kHz und 100W an 4 Ohm: 0.007%

#### Anstiegszeit:

mit 4 Ohm Last:	7 µs
mit 8 Ohm Last:	6 µs

#### Eingangsspannung / Impedanz AUX:

bei 1 kHz für 150W an 4 Ohm:	350 mV / 47 kOhm
	nom. 500mV

#### Ausgänge:

#### PEGEL / IMPEDANZ bei nom. EINGANGSSPANNUNG:

TAPE OUT:	500 mV / 1 kOhm
PHONES:	8.5 V / 280 Ohm
SPEAKERS A, B:	24.5 V / 60 mOhm

#### Klangregler, parametrisch in ±4 Stufen:

BASS bei 40 Hz:	-14...+14 dB
TREBLE bei 14 kHz:	-12...+12 dB

#### Fremdspannungsabstand AUX:

(bez. auf nom. Eingangs-Spannung):  
 bei 150W/4 Ohm, 1kOhm Abschluss: 96 dB  
 bei 50mW/4 Ohm, 1kOhm Abschluss: 76 dB

#### Max. Eingangsspannung AUX:

5 V

#### Kanaltrennung:

bei 1 kHz, 1kOhm Abschluss: 70 dB

#### Frequenzgang:

20 Hz...20 kHz: +0/-0.5 dB

Weitere Angaben siehe Abschnitt «Allgemeine Daten»

**FM-Tuner**

Ohne anderslautende Vermerke sind die Daten bei 98 MHz, 1mV HF-Signal und 400 Hz-Modulation gemessen.

**Sendervorwahl:** max. 36 Stationsspeicher

**Empfangsbereich:** 87.50...108.00 MHz

**Frequenzraster:** 50 kHz

**Quarzreferenz:** 0.002%

**Spiegelfrequenzdämpfung:** 100 dB

**Zwischenfrequenzdämpfung:** 100 dB

**Nebenwellendämpfung:** 100 dB

**RF-Intermodulations-Dämpfung:**  
DF= 2MHz: -86 dB

**Bandbreite (-3dB):** 130 kHz

**Stat. Selektion:** bei  $\pm$  300 kHz: 65 dB

**AM-Unterdrückung:** (30% AM, 75 kHz Hub) 70 dB

**Frequenzgang:** 20Hz...15kHz: +0.5 / -1.5 dB

**De-Emphasis:** 50  $\mu$ s (75  $\mu$ s)

**NF-Verzerrungen:**  
(1 kHz, 40 kHz Hub, Stereo L=R) 0.1%

**Fremdspannungsabstand:**  
(30Hz...15 kHz, bez. 75 kHz Hub,  
Mono 1mV HF; Stereo 10 mV HF): 80 dB

**Stereo-Uebersprechdämpfung:**  
(1 kHz, 40 kHz Hub) 43 dB

**Pilotton-Unterdrückung:**  
(15...300 kHz, 75 kHz Hub) 66 dB

**RDS-Decoder:** Auswertung von PS

**Antennen-Eingang:** 75 Ohm koaxial nach IEC/DIN54325

**Datenspeicherung bei Netzausfall:** über EEPROM

**Stromversorgung:**  
nur im Verbund mit dem evolution Verstärker

Weitere Angaben siehe Abschnitt «Allgemeine Daten»

**CD-Spieler**

**Frequenzgang:** 31.5 Hz...20 kHz  $\pm$  0.2 dB

**Klirr und Rauschen:** 20Hz..20kHz < 0.005 %

**Störspannungsabstand:**  
linear 20Hz..20kHz 96 dB  
bewertet A-Kurve: 100 dB

**Übersprechdämpfung 1kHz:** 96 dB

**Ausgangspegel an AUX:**  
bei 0dB Ref. Pegel ab CD 2.0 V  $\pm$  10%

**D/A-Wandlung:** 1-bit Bit-Stream Technik

**Oversampling:** 256-fach

**Digital-Filter:** 20 bit (8-fach Oversampling)

**Suchzeit für beliebige Stelle:** < 2 s

**Stromversorgung:**  
nur im Verbund mit dem evolution Verstärker

Weitere Angaben siehe Abschnitt «Allgemeine Daten»

## Kassettengerät

**Laufwerk:**

Doppelcapstan-Bandtransport mit geregeltem  
Wickelantrieb, getrennte Tonkopf-Systeme für Aufnahme  
und Wiedergabe, Ferrit-Löschkopf

**Klirrfaktor (k3 von 333 Hz/ 200 nWb/m):**

Typ I:	< 1.0 %
Typ II:	< 1.5 %
Typ IV:	< 1.5 %

**Verwendbare Tonträger:**

Compact-Kassetten bis C-120, empfohlen nur bis C-90

**Geräuschspannungsabstand Dolby C \*:**

bez. 3% Klirr:	Typ I:	> 72 dB (A)
	Typ II:	> 73 dB (A)
	Typ IV:	> 73 dB (A)

**Bandgeschwindigkeit:**

4.76 cm/s

**Geschwindigkeitstoleranz:**

± 0.5%

**Kanal-Übersprechen:**

bei 1 kHz besser - 40 dB

**Schlupf:**

< 0.3%

**Bias / Löschfrequenz:**

105 kHz

**Tonhöhenschwankungen:**

bewertet nach JIS,  
für C60 und C90 in Wiedergabe :  
< 0.1%

**Löschdämpfung:**

bei 1 kHz (Dolby C \* = ein) > 65 dB

**Umspulzeit für C-60:**

ca. 95 sec

**Eingangspegel ab AUX-Buchse:**

für 0VU: 500 mV / 47 kOhm

**Bandzähler:**

Min/Sek. Anzeige (Spielzeit), Nullstellung auf Bandanfang

**Ausgangspegel TAPE OUT:**

bei 0VU: 500 mV / 1 kOhm

**Automatische Bandsorten-Erkennung / Umschaltung für Bandtyp I, II und IV**
**Stromversorgung:**

nur im Verbund mit dem evolution Verstärker

**Aufnahme-System:** HX-PRO Headroom Extension

**Weitere Angaben siehe Abschnitt «Allgemeine Daten»**
**Einmesshilfe:**

Automatische Einstellung der optimalen Vormagnetisierung  
für alle Bandsorten mit Speicherung der ermittelten Werte  
für Typ I, II und IV.

**Änderungen vorbehalten**
**Geräuschverminderungs-System:** Dolby B und C \*

Die bandspezifischen Messwerte werden mit modernen,  
qualitativ hochwertigen Kassetten nach automatischer Ein-  
messung erreicht.

Die Werkseinstellung basiert auf folgenden Bandsorten:

- Typ I: TDK AR-X
- Typ II: BASF Chrome Super II
- Typ IV: TDK MA-X

**Wiedergabe-Entzerrung:**

\* Dolby Rauschunterdrückung und HX-Pro headroom  
extension hergestellt unter Lizenz von Dolby Laboratories  
Licensing Corporation. HX-Pro entstand bei Bang & Olufsen.  
DOLBY, das Doppel-D Symbol und HX-PRO sind Warenzei-  
chen der Dolby Laboratories Licensing Corporation.

Typ I:	3180 + 120 µs
Typ II:	3180 + 70 µs
Typ IV:	3180 + 70 µs

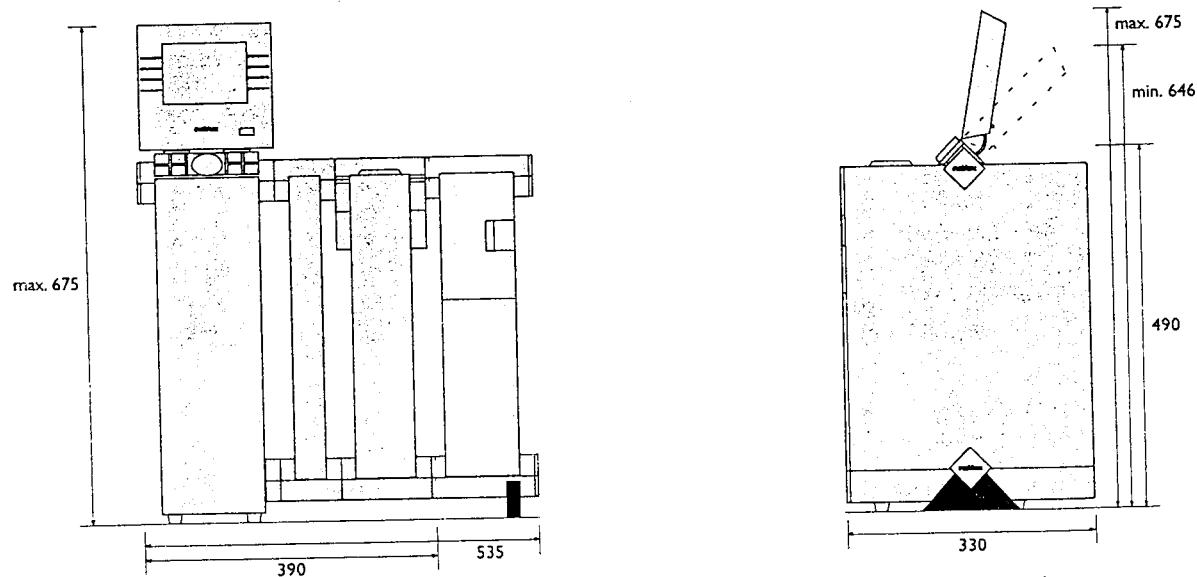
**Frequenzgang:**

über Band, -20 dB, Dolby NR \* = OFF,  
nach automatischer Einmessung:

Typ I:	30 Hz...20 kHz ± 3 dB
Typ II:	30 Hz...20 kHz ± 3 dB
Typ IV:	30 Hz...20 kHz ± 3 dB

**Aussteuerung:**

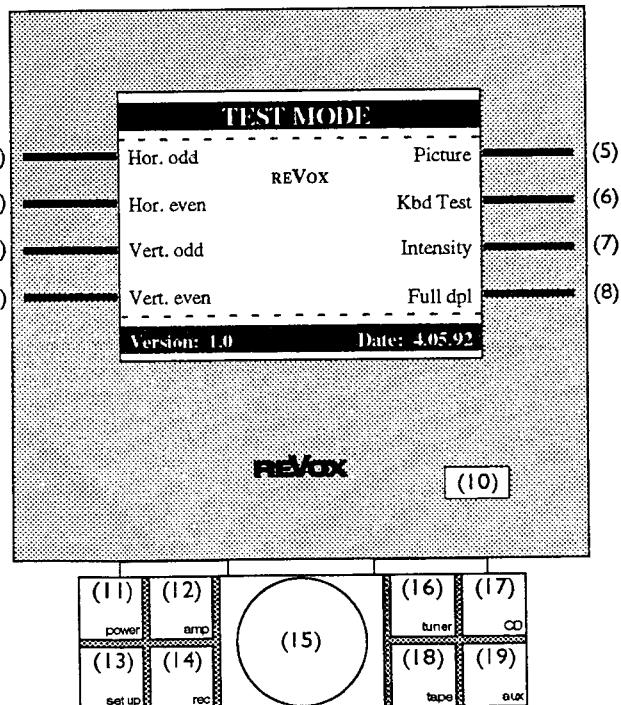
200 nWb/m entspricht 0dB = Dolby \*-Level

**Abmessungen (mm) evolution**

## Keyboard und Display Test

- Die Bedienungseinheit korrekt auf einen funktionierenden Verstärker montieren.
- Der Daten- und Stromversorgungs-Bus (unteres Anschluss-Prisma) des Verstärkers muss mit einem Abschlussstecker versehen sein.
- Das Verstärker-Netzkabel ans Netz anschliessen und den Verstärker durch Betätigen des Netzschalters auf der Geräterückseite einschalten (Stand-by).

### Der Testmodus



### Testfunktionen

Folgende Tests sind bei einwandfreiem Zustand des Displays mit den Tasten (1)...(7) durchführbar:

- (1) **Hor. odd** zeichnet eine horizontale Linie auf alle ungeraden Zeilen
- (2) **Hor. even** zeichnet eine horizontale Linie auf alle geraden Zeilen
- (3) **Vert. odd** zeichnet eine vertikale Linie auf alle ungeraden Zeilen
- (4) **Vert. even** zeichnet eine vertikale Linie auf alle geraden Zeilen
- (5) **Picture** Das Revox-Startmenu erscheint, um die Display-Auflösung zu zeigen
- (6) **Kbd Test** quittiert jeden Tastendruck im speziellen «Keyboard Test» Menu
- (7) **Intensity** Das Setup-Menu zur Überprüfung der Intensität erscheint
- (8) **Full dpl.** Aktiviert alle Bildpunkte des Display's

### Zurückkehren zum Auswahlmenü

- Die Tasten (1) und (5) gleichzeitig betätigen

### Zurückkehren zum normalen Betriebsmodus

- Netzschalter auf der Verstärker-Rückseite betätigen, danach wieder einschalten.

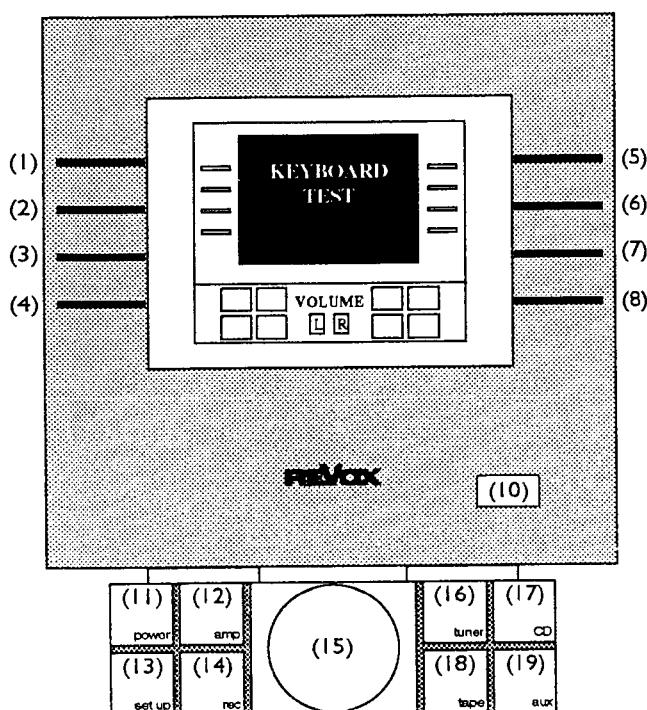
### Test Mode aktivieren

1. Anlage einschalten mit Taste power (11)  
Warten, bis die Anzeige nach dem Erscheinen des «REVOX» Startmenüs auf ein Bedienungsmenü wechselt
2. Taste (4) und (5) gleichzeitig drücken
3. danach Taste (1) und (8) gleichzeitig drücken
4. Das Auswahl-Menü des Test Mode erscheint

## Verstärker Ruhestrom-Einstellung

### Keyboard Test Menu

- im Test Mode Auswahlmenu Taste (6) **Kbd Test** drücken => folgendes Menu erscheint:



Die Ruhestrom-Einstellung erfolgt auf dem Amplifier Unit 1.751.250.00:

- Das Voltmeter an P1 und P2 anschliessen
- Mit RA1 (1 kOhm) auf 1 mV DC abgleichen
- Das Voltmeter an P3 und P4 anschliessen
- Mit RA2 (1 kOhm) auf 1 mV DC abgleichen

Jede Tastenbetätigung wird im Display-Modell durch Aufleuchten der entsprechenden Taste bestätigt. Beim Volumenregler leuchten «L» bzw. «R» für Links- bzw. Rechtsdrehung des Reglers auf.

- Zurückkehren zum Auswahlmenü durch gleichzeitige Betätigung der Tasten (1) und (5).

### Empfang von Fernbedienungsbefehlen

- Korrekt funktionierende evolution Fernbedienung verwenden (Batterien neu, richtig eingelegt).
- Jeder Empfang eines Fernbedienungsbefehls über das IR-Empfangsfenster (10) wird im Display durch Aufleuchten des Symbols (●) angezeigt.

Wenn alle beschriebenen Tests erfolgreich durchgeführt worden sind, funktioniert die Bedienungseinheit sowie die Kommunikation mit dem Verstärker.

## Abgleichanleitung FM-Tuner Board

Alle Abgleich-Prozeduren werden am FM-Tuner Board 1.752.180.20 ausgeführt. Der Tuner wird mit Hilfe von Flachband-Verlängerungskabeln an den Verstärker angeschlossen, um einerseits über die Bedienungseinheit den Tuner bedienen zu können, andererseits den Zugang zum FM-Tuner Board zu gewährleisten.

### Im Tuner eingespeicherte Testfrequenzen

folgende Frequenzen sind ab Werk gespeichert:

Station:	Frequenz:
1	87.50 MHz
2	90.00 MHz
3	98.00 MHz
4	106.00 MHz
5	108.00 MHz

### Zurückholen der Werkeinstellungen

- Taste **tuner** drücken
- Taste **setup** drücken
- Taste **automem** ca. 2 Sekunden drücken
- Während des automatischen Suchlaufs die Anlage mit der Taste **power** ausschalten, dann wieder einschalten. Die Stationen 1 ... 5 sind danach wieder mit den oben aufgelisteten Frequenzen belegt.

### Lokal-Oscillator: L701, C705

- L701 und C705 nach Muster voreinstellen
- Digitalvoltmeter an ATP1 (C706-R722) anschliessen
- Bei 87.50 MHz mit L701 auf 4.50V DC  $\pm$  0.05 V abgleichen
- Bei 108.00 MHz mit C705 24.00 V DC  $\pm$  0.25V abgleichen
- Die letzten 2 Schritte wiederholen, bis die Werte im Toleranzbereich liegen

### Oscillator-Buffer: L700, C718

- L700 und C718 nach Muster voreinstellen
- Das RF Voltmeter an ATP2 (R215-C202) anschliessen, Messbereich 100 mV
- Bei 90 MHz mit L700 auf Maximum HF abgleichen
- Bei 106.00 MHz mit C718 auf Maximum HF abgleichen
- Die letzten 2 Schritte wiederholen, bis keine nennenswerte Verbesserungen mehr möglich sind
- Richtwert der Spannung an ATP2: 50 mV AC
- **Achtung:** T200 nicht verstehen!

### HF-Kreise: L102 ... C100

- L102, L101, L103, L100, C115, C101, C103, C100 nach Muster voreinstellen
- Das HF-Testgenerator-Signal unmoduliert beim Antenneneingang einspeisen
- Frequenzen: 90.000 MHz resp. 106.000 MHz,
- Eingangsspannung: U = ca. 0.6 mV; bei «Abgleichbeginn» unter Umständen etwas mehr
- Das RF Voltmeter an ATP3 (R320) anschliessen, Messbereich 0.3 V
- Die AGC abschalten, RA 409 in Linksanschlag bringen
- Tuner: 90.00 MHz resp. 106.00 MHz
- Bei 90.00 MHz: L102, L101, L103, L100 auf Maximum HF abgleichen
- Bei 106.00 MHz: C115, C101, C103, C100 auf Maximum HF abgleichen
- Die letzten 2 Schritte wiederholen, bis die Werte im Toleranzbereich liegen
- Richtwert der Spannung an ATP3: 150 mV AC

### Erster ZF-Kreis: T201

- Das HF-Testgenerator-Signal unmoduliert beim Antenneneingang einspeisen
- Frequenz: 98.000 MHz,
- Eingangsspannung: U = ca. 0.6 mV
- Das RF Voltmeter an ATP3 (R320) anschliessen, Messbereich 0.3 V
- Die AGC abschalten, RA 409 in Linksanschlag bringen
- Tuner: 98.00 MHz
- T201 auf Maximum HF abgleichen
- Richtwert der Spannung an ATP3: 150 mV AC

### Zweiter ZF-Kreis: T300

- Das HF-Testgenerator-Signal unmoduliert beim Antenneneingang einspeisen
- Frequenz: 98.000 MHz,
- Eingangsspannung: U = ca. 0.6 mV
- Das RF Voltmeter an ATP3 (R320) anschliessen, Messbereich 0.3 V
- Die AGC abschalten, RA 409 in Linksanschlag bringen
- Tuner: 98.00 MHz
- T300 auf Maximum HF abgleichen
- Richtwert der Spannung an ATP3: 150 mV AC

**AGC Einsatzpunkt**

- Das HF-Testgenerator-Signal unmoduliert beim Antenneneingang einspeisen
- Frequenz: 98.000 MHz, Eingangsspannung:  $U = 1 \text{ mV}$
- Das RF Voltmeter an ATP3 (R320) anschliessen, Messbereich 0.3 V
- RA320 nach rechts drehen, bis die HF-Spannung 2dB gesunken ist

**Signalstärke Arbeitspunkt**

- Das HF-Testgenerator-Signal unmoduliert beim Antenneneingang einspeisen
- Frequenz: 98.000 MHz, Eingangsspannung:  $U = 50 \mu\text{V}$
- DC-Voltmeter an ATP9 (IC9 Pin 3) anschliessen, Messbereich 10 V
- Mit RA801 3 Volt einstellen

**FM-Demodulator: RA412, T400, RA431**

Vorspannung Kapazitätsdioden:

- Das Digitalvoltmeter an ATP4 (IC1 Pin 7) anschliessen.
- Mit RA412 auf 7 V DC  $\pm 0.1 \text{ V}$  abgleichen

**Center Tuning: T400**

- Das Digitalvoltmeter an ATP5 (IC1 Pin 1) anschliessen
- Das HF-Testgenerator-Signal unmoduliert beim Antenneneingang einspeisen
- Frequenz: 98.000 MHz, Eingangsspannung:  $U = 1 \text{ mV}$
- Tuner: 98.00 MHz
- T400 auf 7 V DC  $\pm 0.1 \text{ V}$  abgleichen

**Demodulierte MPX-Spannung: RA431**

- Das AC Voltmeter an ATP5 anschliessen, Messbereich 1 V AC
- Das HF-Testgenerator-Signal unmoduliert mit 75 kHz Hub, 1 kHz, Stereo L=R, ohne Pilot beim Antennen-eingang einspeisen
- Frequenz: 98.000 MHz, Eingangsspannung:  $U = 1 \text{ mV}$
- Tuner: 98.00 MHz
- Mit RA431 auf 0.7 V AC  $\pm 0.02 \text{ V}$  abgleichen

**Stereo-Decoder, 76 kHz Oscillator: RA520**

- Das HF-Testgenerator-Signal unmoduliert beim Antenneneingang einspeisen
- Frequenz 98.000 MHz, Eingangsspannung:  $U = 1 \text{ mV}$
- ATP6 (IC5 Pin 4) über 10 kOhm auf +16.5 V (R717) schalten
- Den Counter an ATP6 anschliessen
- RA520 auf 76.00 kHz  $\pm 0.2 \text{ kHz}$  abgleichen

**Stereo-Decoder Übersprechen: RA517**

- Das HF-Testgenerator-Signal mit Stereo-Coder beim Antenneneingang einspeisen
- Frequenz: 98.000 MHz, Eingangsspannung:  $U = 1 \text{ mV}$ , Stereo L=R moduliert, 40 kHz Hub, 1 kHz plus Pilotton 9%
- Tuner: 98.00 MHz
- Das AC Voltmeter an ATP7 (R606) resp. ATP8 (R609) anschliessen und auf 0 dB eichen
- Den Stereo-Coder auf R resp. L schalten und mit RA517 die Übersprechdämpfung auf das Maximum abgleichen.
- Übersprechdämpfung:  $> 43 \text{ dB}$

**Pilottondämpfung: L610, L611**

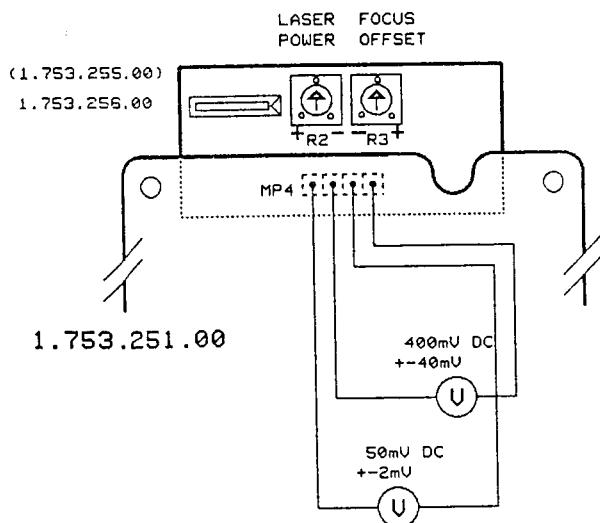
- Das HF-Testgenerator-Signal mit Stereo-Coder beim Antenneneingang einspeisen
- Frequenz: 98.000 MHz, Eingangsspannung:  $U = 1 \text{ mV}$  nur mit Pilotton 9% moduliert, 40 kHz Hub
- Tuner: 98.00 MHz
- Das AC Voltmeter an ATP7 (R606) resp. ATP8 (R609) anschliessen und die Pilottondämpfung mit L610 resp. L611 (Spulen am Filterausgang, bei R601, R622) auf das Maximum abgleichen
- **Achtung:** L610 und L611 (Spulen am Filtereingang, bei R613, R614) nicht verstehen!

## CD-Spieler Servo Board Abgleich

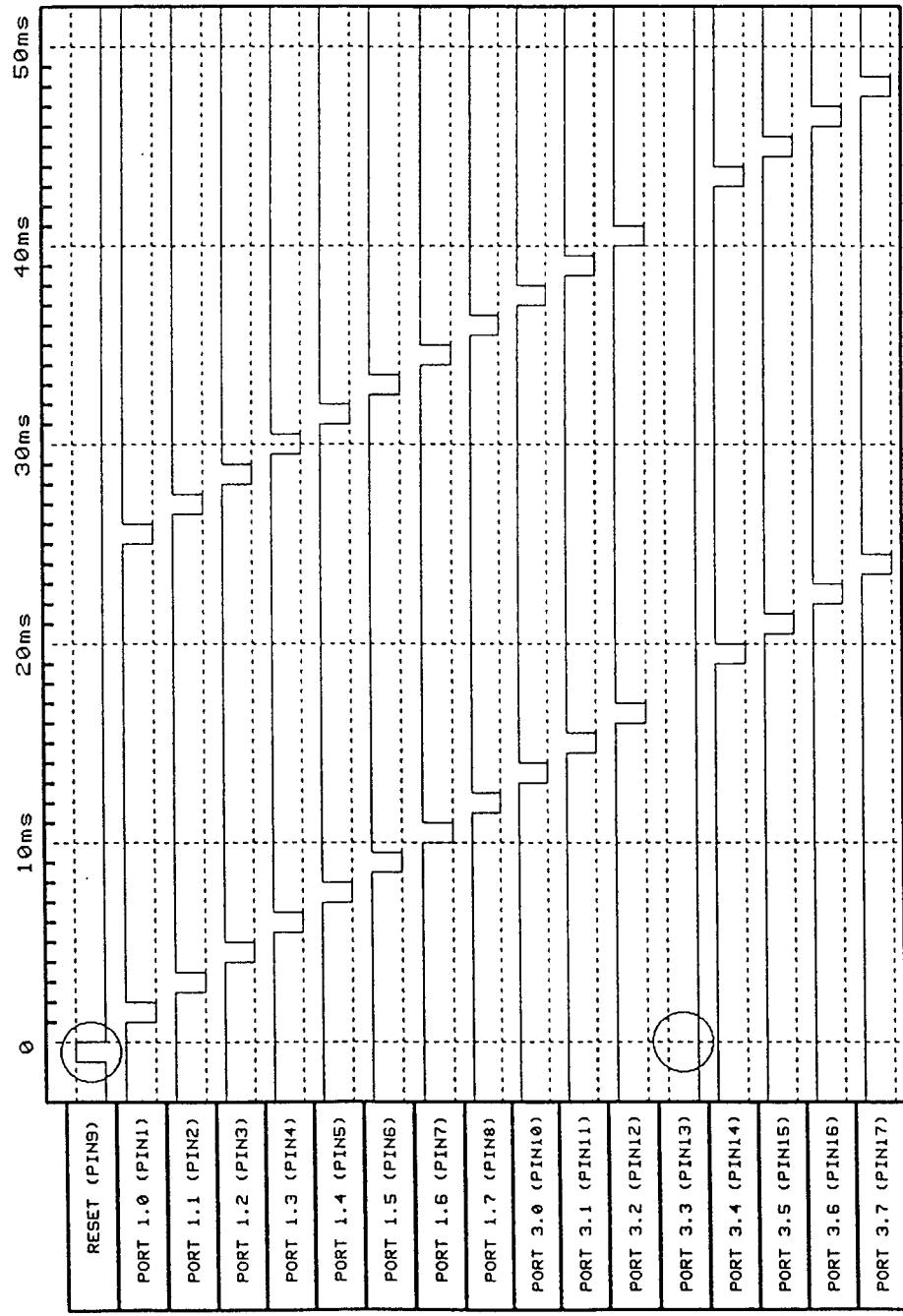
Der CD-Spieler wird mit Hilfe von Flachband-Verlängerungskabeln an den Verstärker angeschlossen, um einerseits über die Bedienungseinheit den CD-Spieler bedienen zu können, andererseits den Zugang zum Servo Board zu gewährleisten.

**Achtung:** Nach einem Austausch des CD-Laufwerks bzw. des Servo Boards ist dieser Abgleich notwendig !

- Das Voltmeter an MP4 anschliessen
- R2 und R3 in Mittelstellung bringen
- Die Test CD Nr. 3 verwenden, Track 1 abspielen
- R2 so einstellen, dass bei MP4 50 mV DC  $\pm$  2 mV anliegen
- R3 so einstellen, dass bei MP4 400 mV DC  $\pm$  40 mV anliegen



**INCIRCUIT TEST PROGRAM  
FOR MICROCONTROLLER  
80C6552**



- + DEVICE "RESET"
- + PORT 3.3 HOLD AT LOW LEVEL  
(R6,R7) "TESTPOINT"
- LEADS INTO TEST SEQUENCE

- + MICROCONTROLLER IN "SLEEP MODE"
- + REACTIVATE WITH "RESET"

⑥ FEB-24-92 PS	○	○	○	○	○
Evolution CD-PLAYER					
<b>REVox</b>	<b>TIMING DIAGRAM OF TEST SEQUENCE</b>	<b>TD</b>	<b>1.753.201.20</b>		PAGE 1 OF 1

## Abgleichsanleitung Kassettengerät

Das Kassettengerät wird mit Hilfe von Flachband-Verlängerungskabeln an den Verstärker angeschlossen, um einerseits über die Bedienungseinheit das Kassettengerät bedienen zu können, andererseits den Zugang zur Elektronik zu gewährleisten.

### Wiedergabe- und Aufname-Elektronik

#### Main board 1.755.220

##### Multiplex-Filter

- MPX auf ON, DOLBY auf OFF schalten RECORD VOLUME auf 0 dB stellen.
- Am AUX IN Eingang des Verstärkers 0.5 Volt effektiv bei 19 kHz einspeisen.
- L203 und L202 so einstellen, dass an den Testpunkten REC L und REC R (MP7) eine minimale Amplitude entsteht.
- Die Dämpfung bei 19 kHz soll >30 dB betragen.

##### Einstellen der Anzeige

- Das Gerät auf Stop schalten und ein Signal von 0.5 V bei 500 Hz am AUX IN Eingang des Verstärkers einspeisen.
- Potentiometer RA506 in Mittelstellung bringen.
- Anzeige mit den Potentiometern RA504 und RA536 auf 0 dB stellen.
- Pegel um 20 dB reduzieren und mit dem Potentiometer RA506 den Wert -20dB an beiden Kanälen einstellen (-20 dB ± 0.5dB).

##### Einstellen des Wiedergabeteils

- Gerätausschalten und bandführende Teile entmagnetisieren.
- MPX und DOLBY NR auf OFF schalten.
- Wiedergabebezugsband des Typs IEC I in den Kassettenfach legen und bei dem Pegeltonteil (315 Hz 250 nWb/m) starten.
- An den Testpunkten RECL und REC R einen Pegel von 308 mVeff einstellen. Die Einstellung erfolgt mit Potentiometer RA132 und RA105.
- Azimuteinstellung bei -10 dB, bezogen auf 250 nWb/m, bei 10 kHz auf maximale Amplitude und auf minimale Phasenfehler zwischen L und R.
- Mit den Potentiometern RA118 und RA123 im Bereich von 18 kHz den Wiedergabe-Frequenzgang möglichst linear einstellen.
- Testpunkte PB-L und PB-R (MP6), Bezugspegel -20dB des Messbandes.

##### Einstellen des Aufnahmeteils

- Im Werk wurden zur Einstellung des Aufnahmeteils folgende Kassettentypen verwendet:
  - IEC I: TDK AR-X60
  - IEC II: BASF Chrome Super II,
  - IEC IV: TDK MA-X60.

##### Einstellprozess

- MPX und DOLBY NR auf OFF schalten, RECORD VOLUME auf 0 dB stellen.
- Mit den Potentiometern RA400 und RA401 eine Gleichspannung von 11 V am Pin 4 und 18 des IC519 einstellen.
- Kassette Typ IEC I einlegen und Gerät auf Aufnahme starten.
- Löschoszillator-Trafo T400 so abgleichen, dass am Testpunkt ERASE (MP8) eine Frequenz von 105kHz erreicht wird.
- Mit den Transformatoren T401 und T402 maximale Amplitude am Pin 1 und 4 des Aufnamekopf-Anschlusssteckers (P41) einstellen. Die Spannung am Testpunkt ERASE soll jetzt >26 Veff betragen.
- Am AUX IN Eingang des Verstärkers 0.5 Veff bei 500 Hz einspeisen.
- Signalpegel um 20 dB reduzieren.
- Mit den Potentiometern RA632 und RA633 auf der Anzeige -20dB einstellen.
- Die Spannung an den Testpunkten PB-L und PB-R als Referenzwert nehmen.
- Mit den Potentiometern RA400 und RA401 auf Referenzwert bei 12kHz einstellen. Dabei zuerst das Maximum suchen, von dort aus Potentiometer nach links (im Gegenuhrzeigersinn) drehen, bis der Referenzwert erreicht wird.
- Frequenz auf 500 Hz stellen und mit den Potentiometern RA632 und RA633 die Amplitude wieder auf Referenzwert korrigieren.
- Die Frequenzgangeneinstellung bei 12 kHz wiederholen.
- Danach den Frequenzgang bei 18 kHz mit den Spulen L601 und L602 auf Referenzwert korrigieren.
- Den Pegel bei 500 Hz wieder um 20dB erhöhen und die Amplitude an den Testpunkten PB-L und PB-R (MP6) auf 565 mV einstellen. (Potentiometer RA632 und RA633)
- Nach korrekter Einstellung mit dem Wiedergabebezugsband des Typs IEC I sollte eine Frequenzgangkontrolle mit Kassetten des Typs IEC II und IV Werte entsprechend den technischen Spezifikationen ergeben.

## Evolution service instructions

### Contents

Display and keyboard

Basic evolution components, rear view

Evolution IR remote control

Connections on the amplifier rear panel

Overview of the evolution control menus

Technical data

Dimensions

Keyboard and display test

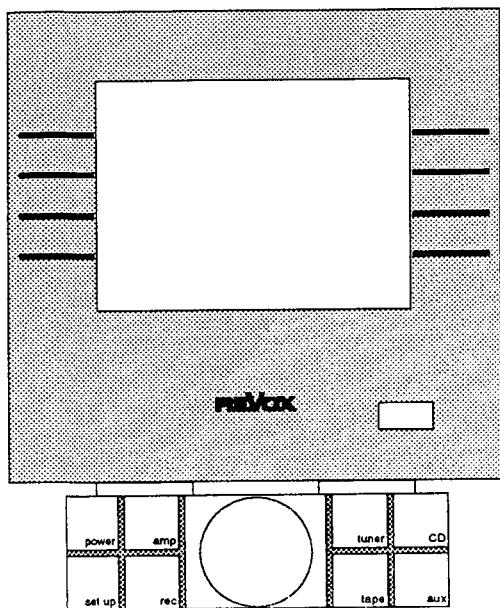
Aligning the amplifier quiescent current

Alignment instructions:

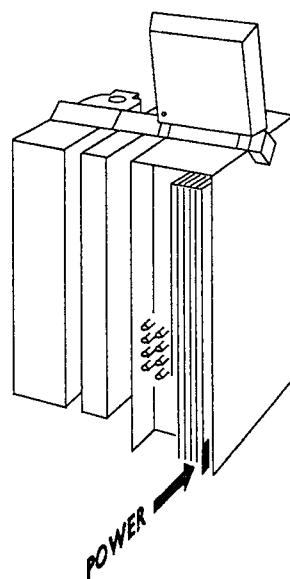
- FM tuner board
  - CD player servo board
  - Cassette player, reproduce/record electronics
- Circuit diagrams

**Note:** The procedures for assembling and operating the evolution hi-fi system are described in detail in the "Evolution operating instructions", publication number 10.30.0300. It is assumed that the reader is familiar with its content.

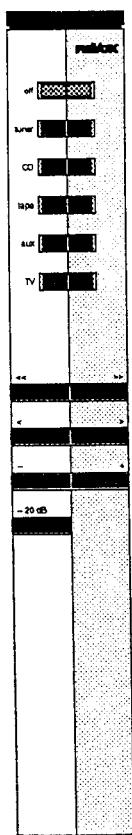
**Display and Keyboard**



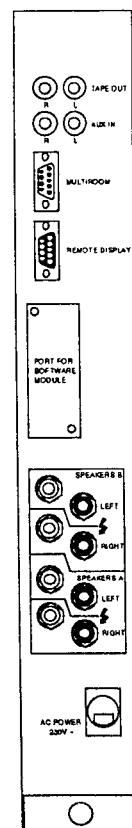
**Rear view of basic components**



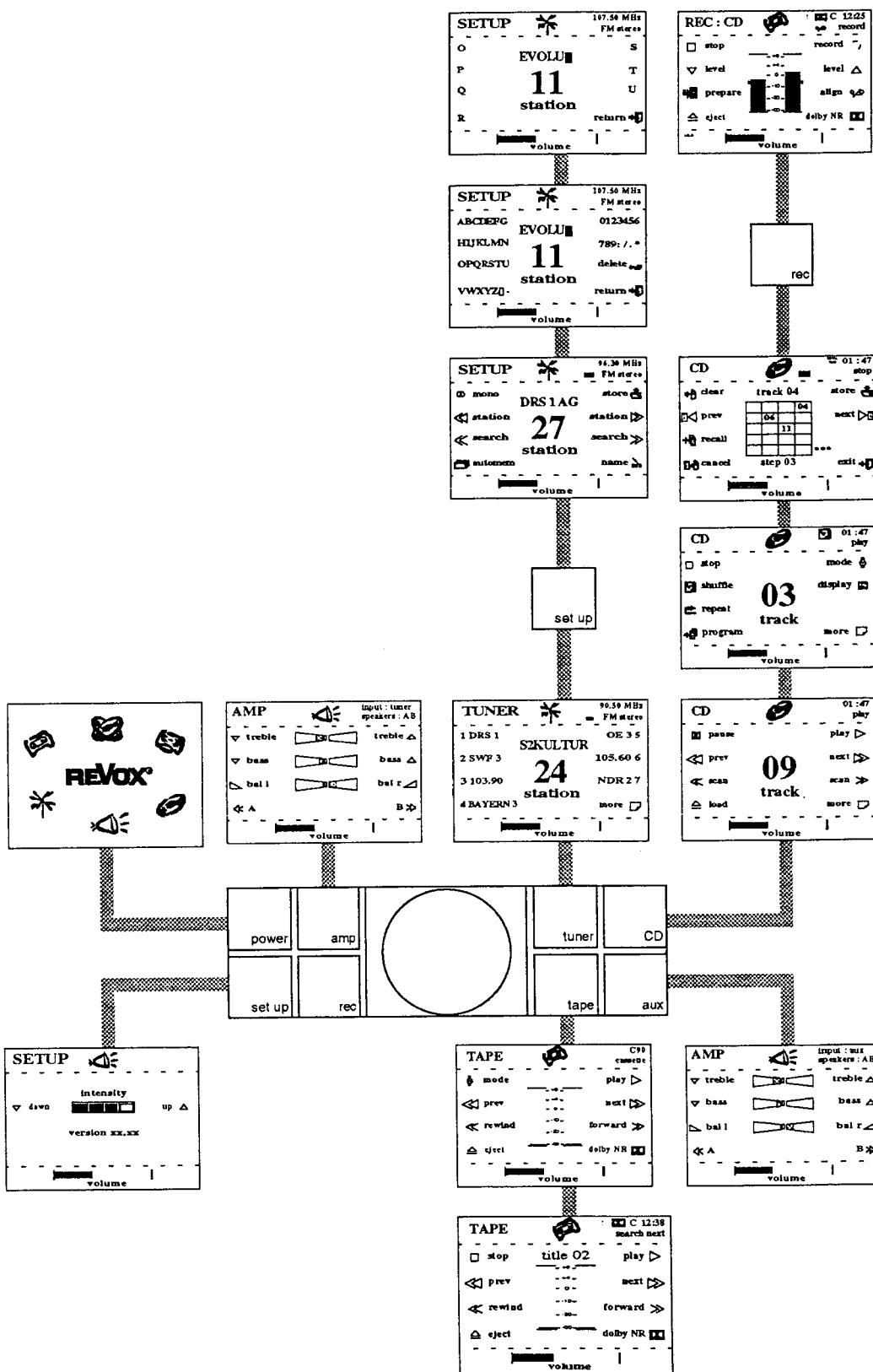
**IR Remote Control**



**Connections on the amplifier rear panel**



## Overview • evolution operating menus



## Technical data

### General data

Amplifier, Tuner, CD-Player, Cassette Deck

#### Operation:

via menu on local display module  
VOLUME with rotary knob  
by remote handset IR-codes type RC-5  
internal system communication via data bus

#### Local display:

LCD matrix display, backlight with  
4-step intensity control  
full graphics capability 320 x 240 dots

#### Power supply:

captured Euro-lead, 2-prong connector  
for all voltages 50...60 Hz  
220...230V AC 198...242 V, Fuse slow-blow 3.15 A

#### Power consumption maximum:

max:	600 W
operation: typ. depending on function	40..60 W
standby:	5 W

#### Operating conditions:

rel. humidity class F acc. DIN 40040 +10...+40° C

#### Dimensions (W x H x D in mm):

AMP+TUNER+CD :	max.	390 x 675 x 330
	min.	390 x 646 x 330
AMP+TUNER+CD+TAPE :	max.	535 x 675 x 330
	min.	535 x 646 x 330

<b>Weight:</b>	Amplifier:	14 kg
	Tuner:	8 kg
	CD-Player:	7 kg
	Cassette Deck:	7 kg

### Amplifier

#### Peak output power:

1 kHz, 1 period on/16 periods off:	into 4 ohms	2 x 250 W
	into 8 ohms	2 x 130 W

#### Sinus power:

(DIN 45500):	into 4 ohms	2 x 150 W
	into 8 ohms	2 x 100 W
as per IEC 65:	into 8 ohms	2 x 100 W

#### Damping factor:

@ 1kHz / 8 ohms load > 100

#### Harmonic distortion:

@ 1 kHz, 100W @ 4 Ohms 0.007%

<b>Rise time:</b>	with 4 ohms load:	7 µs
	with 8 ohms load:	6 µs

#### Input sensitivity/Impedance AUX:

@ 1 kHz for 150W @ 4 ohms: 350 mV / 47 k ohms  
nom. 500mV

#### Outputs:

#### Level / Impedance @ nominal input level:

TAPE OUT:	500 mV / 1 k ohms
PHONES:	8.5 V / 280 ohms
SPEAKERS A, B:	24.5 V / 60 m ohms

#### Tone control, parametric in ±4 steps:

BASS @ 40 Hz:	-14...+14 dB
TREBLE @ 14 kHz:	-12...+12 dB

#### Signal-to-noise ratio:

(ref. to nominal input level, unweighted):  
 @ 150W/4 ohms, 1kohms termination: 96 dB  
 @ 50mW/4 ohms, 1 kohms termination: 76 dB

#### Max. input level AUX:

5 V

#### Channel separation:

@ 1 kHz with 1kohm termination 70 dB

#### Frequency response:

20 Hz...20 kHz +0/-0.5 dB

See also section «General data»

**FM-Tuner**

Unless otherwise stated, the following specs are measured at 98 MHz, with 1mV RF signal and 400Hz modulation.

<b>Memory tuning:</b>	max. 36 station memories
<b>Tuning range:</b>	87.50...108.00 MHz
<b>Frequency steps:</b>	50 kHz
<b>Quartz reference:</b>	accuracy: 0.002%
<b>Image rejection:</b>	100 dB
<b>IF-Rejection:</b>	100 dB
<b>Spurious response rejection:</b>	100 dB
<b>RF-intermodulation:</b> (DF= 2MHz)	-86 dB
<b>Bandwidth (-3dB):</b>	130 kHz
<b>Static selectivity:</b> @ 300 kHz	65 dB
<b>AM-rejection:</b> (30% AM, 75 kHz deviation)	70 dB
<b>Frequency response:</b>	20 Hz..15kHz +0.5/-1.5 dB
<b>De-Emphasis:</b>	50 µs (75 µs)
<b>AF-Distortion:</b> (1 kHz, 40 kHz dev., Stereo L=R)	0.1%
<b>Signal-to-noise ratio, unwtd:</b>	
30Hz...15 kHz, ref. to 75 kHz dev.	
Mono 1mV RF; Stereo 10 mV RF:	80 dB
<b>Stereo channel separation:</b>	
(1 kHz, 40 kHz dev.)	43 dB
<b>Pilot tone suppression:</b>	
(15...300 kHz, 75 kHz dev.)	66 dB
<b>RDS-Decoder:</b>	PS parameter decoded
<b>Antenna input:</b>	75 ohms coaxial acc. to IEC/DIN 54325
<b>Data storage at power failure:</b>	with EEPROM
<b>Power supply:</b>	from amp. section of entire system

See also section «General data»

**CD-Player**

<b>Frequency response:</b>	31.5 Hz...20 kHz	± 0.2 dB
<b>Harmonic distortion:</b>	20Hz...20kHz:	< 0.005 %
<b>Signal-to-noise ratio</b>		
unweighted:	20Hz...20kHz	96 dB
A-weighted:		100 dB
<b>Channel separation:</b>	@ 1kHz:	96 dB
<b>D/A-Conversion:</b>		1-bit Bit-Stream technology
<b>Oversampling:</b>		256-times
<b>Digital filter:</b>		20 bit (8-times oversampling)
<b>Access time for random location:</b>		< 2 s
<b>Power supply:</b>		from amp. section of entire system

See also section «General data»

## Cassette deck

**Tape transport:**

Dual capstan tape transport with controlled spooling drive.  
Separate head-system for record and playback; ferrite erase  
head

**Tape cassettes:**

Compact-cassettes up to C-120 (recommended up to C-90)

**Tape speed:**

4.76 cm/s

**Speed tolerance:**

$\pm 0.5\%$

**Tape slip:**

< 0.3%

**Wow & Flutter, weighted as per JIS:**

for C60 and C90 in playback < 0.1%

**Spooling time: for C-60 cassette**

approx. 95 sec

**Tape counter:**

Min/Sec. Indication of elapsed playing time

Zero-Reset on start tape leader

**Automatic tape type detection / changeover:**

for tape types I, II and IV

**Recording system:**

HX-Pro Headroom Extension

**Tape alignment:**

automatic sequence for setting optimum bias for various tape  
brands and storage of values for types I, II, IV

**Noise reduction system:**

Dolby B and C \* type

**Reproduce equalization:**

Type I: 3180 + 120  $\mu$ s

Type II: 3180 + 70  $\mu$ s

Type IV: 3180 + 70  $\mu$ s

**Frequency response:**

with tape, -20 dB, Dolby NR \* = OFF, after alignment  
sequence:

Type I: 30 Hz...20 kHz  $\pm 3$  dB

Type II: 30 Hz...20 kHz  $\pm 3$  dB

Type IV: 30 Hz...20 kHz  $\pm 3$  dB

**Signal-to-noise ratio Dolby C \*:**

ref. to 3% distortion:	Type I:	> 72 dB (A)
	Type II:	> 73 dB (A)
	Type IV:	> 73 dB (A)

**Channel separation:** @ 1 kHz > 40 dB

**Bias / erase frequency:** 105 kHz

**Erase efficiency:** @ 1 kHz (Dolby C \* = on) > 65 dB

**Input level from AUX-input:**  
for 0VU 500 mV / 47 k ohms

**Output level on TAPE OUT:**  
@ 0VU 500 mV / 1 k ohms

**Power supply:** from amp. section of entire system

See also section «General data»

**Subject to change**

The tape specific measurements are achieved with modern,  
high-quality cassettes.

The setting ex-works is based upon the following brands:

Type I: TDK AR-X

Type II: BASF Chrome Super II

Type IV: TDK MA-X

\* Dolby noise reduction and HX-Pro Headroom Extension  
manufactured under license from Dolby Laboratories Licensing  
Corporation. HX-Pro was created by Bang & Olufsen.

DOLBY, the double-D symbol and HX-Pro are registered  
trademarks of Dolby Laboratories Licensing Corporation.

**Output level:**

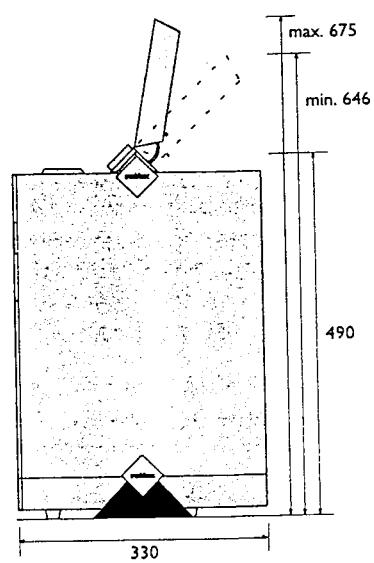
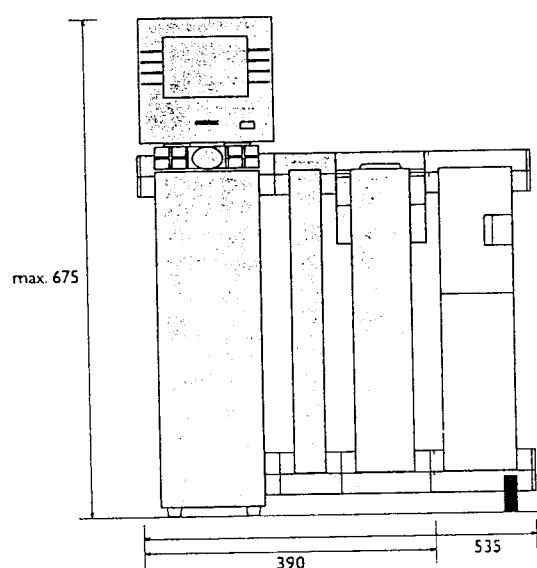
200 nWb/m corresp. to 0dB = Dolby \* -Level

**Harmonic distortion (k3 of 333 Hz/ 200 nWb/m):**

Type I: < 1.0 %

Type II: < 1.5 %

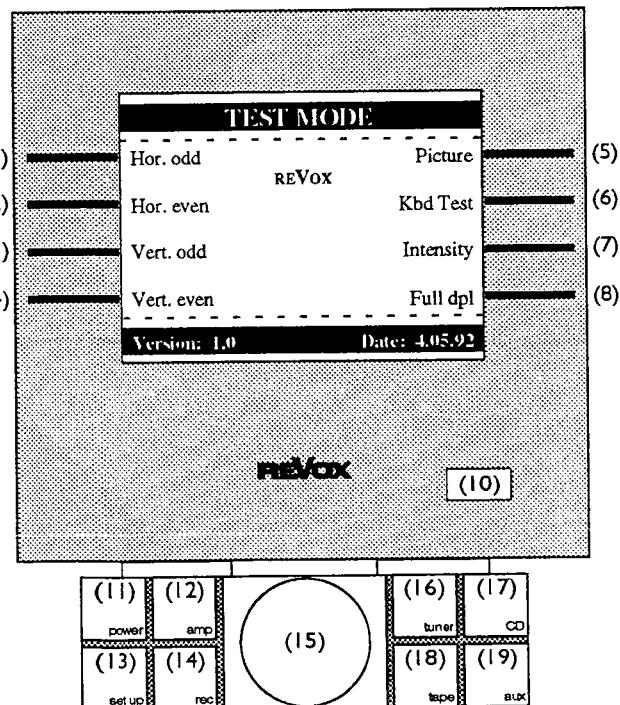
Type IV: < 1.5 %

**Dimensions (mm) evolution**

## Keyboard and Display Test

- Correctly install the operating unit on a fully operational amplifier.
- The data and power supply bus (lower connection prism) of the amplifier has to be fitted with a termination cap.
- Connect the power cable to the mains and activate the amplifier by pressing the power switch on the rear panel (stand-by mode).

### Test Mode



### Test functions

The following tests can be performed with the keys (1) to (7) if the display operates correctly.

- (1) **Hor. odd** Draws a horizontal line on all odd numbered lines.
- (2) **Hor. even** Draws a horizontal line on all even numbered lines.
- (3) **Vert. odd** Draws a vertical line on all odd numbered lines.
- (4) **Vert. even** Draws a vertical line on all even numbered lines.
- (5) **Picture** The REVOX startup menu appears to show the display resolution
- (6) **Kbd Test** Acknowledges each key stroke in the special "keyboard test" menu.
- (7) **Intensity** The setup menu for checking the intensity is displayed.
- (8) **Full dpl.** Activates all pixels of the display

### Return to the selection menu

- Simultaneously press keys (1) and (5).

### Return to the normal operating mode

- Press the power switch on the amplifier rear panel, then switch the unit on again.

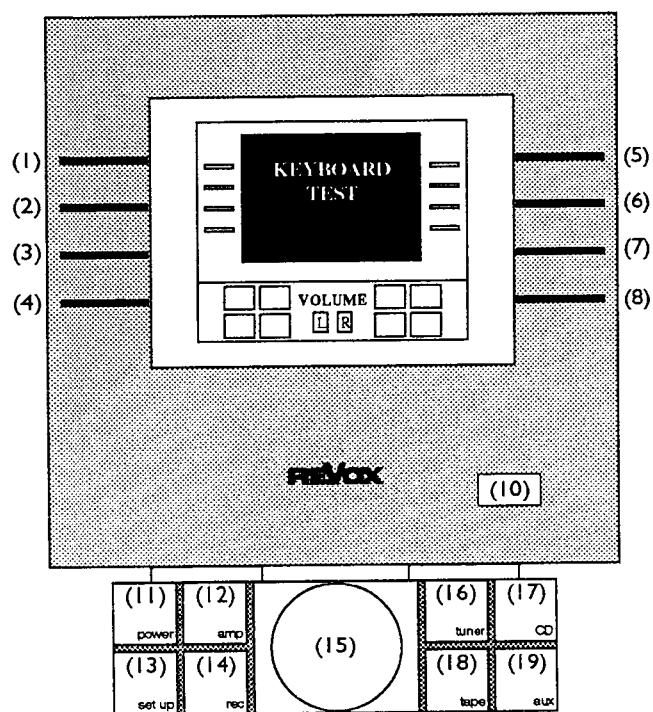
### Activating the test mode

1. Switch on the system by pressing the power (11) key. Wait until the display changes from the initial "REVOX" Menu to one of the operating menus.
2. Simultaneously press keys (4) and (5).
3. Then press simultaneously keys (1) and (8).
4. The selection menu is displayed.

## Amplifier quiescent current

### Keyboard test menu

- In the test mode selection menu press key (6) **Kbd Test** => the following menu is displayed:



The quiescent current is aligned on the amplifier unit 1.751.250.00:

- Connect the voltmeter to P1 and P2.  
Align to 1 mV DC with RA1 (1 kohm).
- Connect the voltmeter to P3 and P4.  
Align to 1 mV DC with RA2 (1 kohm).

Each key stroke is acknowledged by the corresponding key area in the display module. When the volume control is actuated, "L" (left, ccw) or "R" (right, cw) lights up, depending on which direction the knob is rotated.

- Return to the selection menu by simultaneously pressing the keys (1) and (5).

### Reception of remote control commands

- Use a correctly operating remote control unit (fresh batteries, correctly inserted).
- Whenever a remote control command is received via the window (10), the symbol lights up on the display.

If all tests described above perform without errors, the control panel and the communication with the amplifier is operating correctly.

## Alignment of the FM tuner board

All alignment procedures are performed on the FM tuner board I.752.180.20. Connect the tuner with a flat cable extension to the amplifier so that the tuner can be operated via the control panel and to gain access to the FM tuner board.

### Test frequencies stored in the tuner

The following frequencies are factory set:

Station:	Frequency:
1	87.50 MHz
2	90.00 MHz
3	98.00 MHz
4	106.00 MHz
5	108.00 MHz

### Recalling the factory set frequencies

- Press the **tuner** key
- Press the **setup** key
- Press the **automem** "softkey" and keep it pressed for approximately 2 seconds
- While the automemory function is running, switch the system off and on again by pressing the **power** key twice. After that, the station memories contain the above listed test frequencies.

### Local Oscillator: L701, C705

- Adjust L701 and C705 according to reference sample board
- Connect a digital voltmeter at ATP1 (C706-R722)
- Adjust L701 for a reading of  $4.50\text{V dc} \pm 0.05\text{V}$  at 87.50 MHz
- Adjust C705 for a reading of  $24.00\text{V dc} \pm 0.05\text{V}$  at 108.00 MHz
- Repeat the last two steps until both values remain within tolerance.

### Oscillator-Buffer: L700, C718

- Pre-adjust L700 and C718 according to reference sample.
- Connect RF-voltmeter with probe to ATP2 (R215-C202); range 100 mV
- Adjust L700 for maximum RF reading at 90.00 MHz
- Adjust C718 for maximum RF reading at 106.00 MHz
- Repeat the last two steps until no significant improvement can be obtained.
- Reference value of voltage at ATP2: 50 mV AC
- **Important:** do not adjust on T200!

### RF-resonant circuits: L102 ... C100

- Pre-adjust L102, L101, L103, L100, C115, C101, C103, C100 according to reference sample.
- Connect RF-testgenerator to antenna input - no modulation
- Frequency: 90.000 MHz resp. 106.00 MHz, Input voltage U= approx. 0.6 mV (at beginning of alignment there may be a higher signal necessary).
- Connect the RF-voltmeter with probe to ATP3 (R320); range 300 mV
- Deactivate the AGC: rotate RA409 fully CCW.
- Set tuner to 90.00 respectively to 106.00 MHz
- At 90.00 MHz: adjust L102, L101, L103, L100 for maximum RF reading .
- At 106.00 MHz: adjust C115, C101, C103, C100 for maximum RF reading.
- Repeat the last two steps until no significant improvement can be obtained.
- Reference value of voltage at ATP3: 150 mV AC

### First IF-circuit: T201

- Connect RF-testgenerator to antenna input - no modulation
- Frequency: 98.000 MHz, Input voltage U= approx. 0.6 mV.
- Connect the RF-voltmeter with probe to ATP3 (R320); range 300 mV
- Deactivate the AGC: rotate RA409 fully CCW.
- Tuner frequency: 98.00 MHz
- Align T201 for maximum RF reading on voltmeter.
- Reference value of voltage at ATP3: 150 mV AC

### Second IF-circuit: T300

- Connect RF-testgenerator to antenna input - no modulation
- Frequency: 98.000 MHz, Input voltage U = approx. 0.6 mV.
- Connect the RF-voltmeter with probe to ATP3 (R320); range 300 mV
- Deactivate the AGC: rotate RA409 fully CCW.
- Tuner frequency: 98.00 MHz
- Align T300 for maximum RF reading on voltmeter.
- Reference value of voltage at ATP3: 150 mV AC

**Attack point AGC**

- Connect RF-testgenerator to antenna input - no modulation
- Frequency: 98.000 MHz, input voltage U= 1 mV.
- Connect the RF-voltmeter with probe to ATP3 (R320); range 300 mV
- Rotate RA320 CW until RF-reading has dropped 2 dB.

**Signal strength, setting of working point**

- Connect RF-testgenerator to antenna input - no modulation
- Frequency: 98.000 MHz, input voltage U = 50 $\mu$ V.
- Connect the DC-voltmeter to ATP9 (IC9, pin3), range 10 V
- Adjust to 3V with RA801.

**FM-demodulator: RA412, T400, RA431**

## Bias of varicap diodes:

- Connect a digital voltmeter to ATP4 (IC1, pin7) Adjust to 7 V DC  $\pm$  0.1V with RA412.

**Center Tuning: T400**

- Connect a digital voltmeter to ATP5 (IC1, pin1)
- Connect RF-testgenerator to antenna input - no modulation
- Frequency: 98.000 MHz, U= 1 mV  
Tuner frequency: 98.00 MHz
- Adjust to 7V DC  $\pm$  0.1V with T400.

**Demodulated MPX voltage: RA431**

- Connect RF-testgenerator to antenna input - 75 kHz deviation,
- f= 1 kHz, Stereo L=R, no pilot tone carrier.
- Frequency: 98.000 MHz, U = 1 mV
- Tuner frequency: 98.00 MHz
- Adjust to 700 mV AC  $\pm$  20 mV with RA431.

**Stereo-Decoder, 76 kHz Oscillator: RA520**

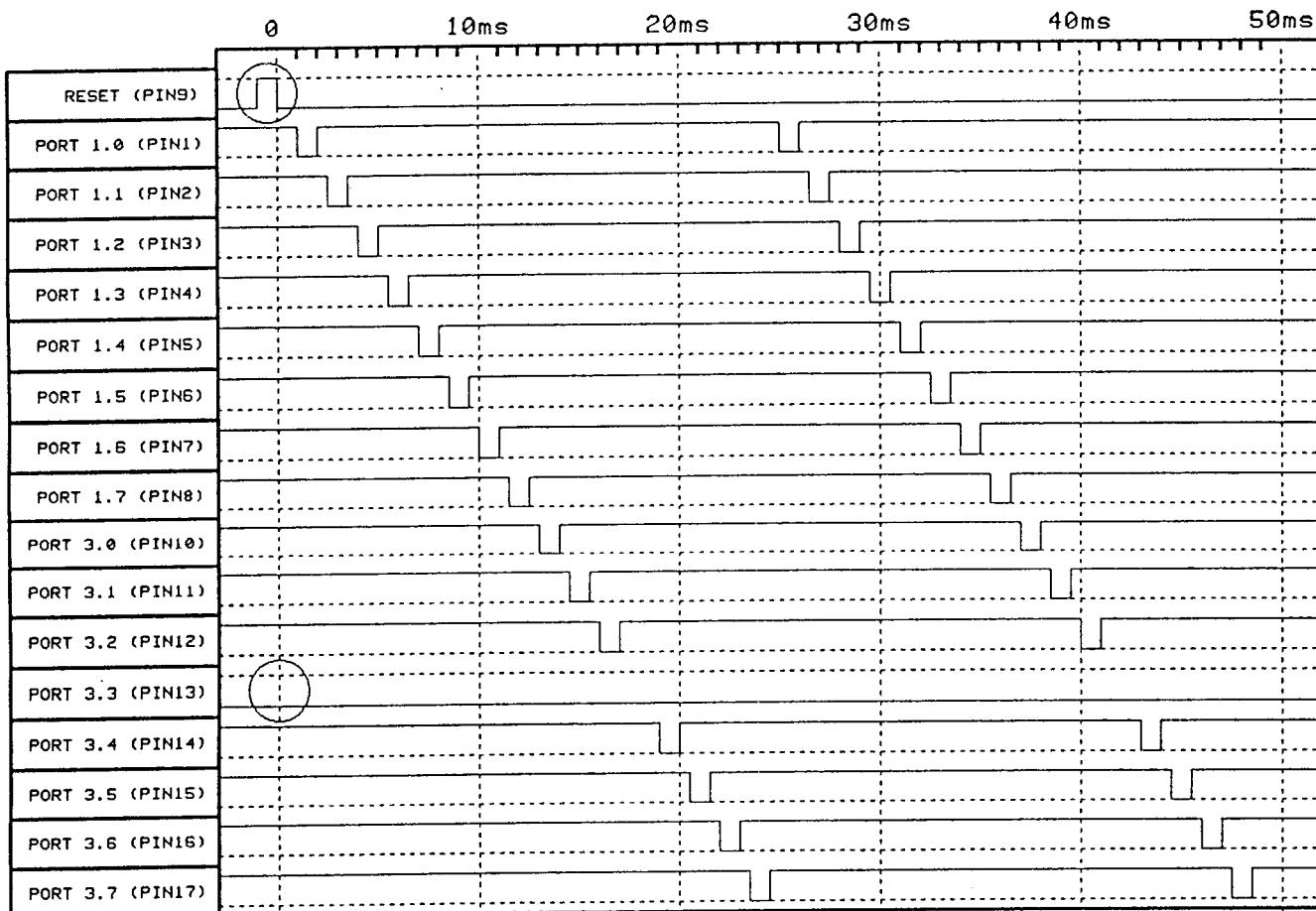
- Connect the AC Voltmeter to ATP5, range 1V
- Connect RF-testgenerator to antenna input - no modulation
- Frequency: 98.000 MHz, input voltage U = 1 mV
- Hook ATP6 (IC5, pin4) via 10 kohm resistor to +16.5V (R717).
- Connect counter to ATP6.
- Adjust RA520 for a reading of 76.00  $\pm$  0.2 kHz

**Stereo-Decoder, channel separation: RA517**

- Connect RF-testgenerator to antenna input - 40 kHz deviation, f= 1 kHz, Stereo L=R + 9% pilot tone carrier.
- Frequency: 98.000 MHz, Input voltage: U = 1 mV
- Tuner frequency: 98.00 MHz
- Connect AC-voltmeter to ATP7 (R606), resp. ATP8 (R609) and calibrate for 0 dB.
- Switch Stereo-Coder to "R", resp. to "L" and adjust with RA517 for maximum channel separation.
- Limit: channel separation > 43 dB

**Pilot tone suppression: L610, L611**

- Connect RF-testgenerator to antenna input - 40 kHz deviation, modulation: only 9% pilot tone carrier.
- Frequency: 98.000 MHz, U= 1 mV
- Tuner frequency: 98.00 MHz
- Connect AC-voltmeter to ATP7 (R606), resp. ATP8 (R609) and adjust for maximum attenuation of pilot tone carrier with L610 resp. L611 (coil cores at output of filter circuit, close to R601, R622).
- **Important:** do not adjust on coil cores L610, L611 close to R613, R614!



INCIRCUIT TEST PROGRAM  
FOR MICROCONTROLLER  
80C652

→ + DEVICE "RESET"  
+ PORT 3.3 HOLD AT LOW LEVEL  
(R6,R7) "TESTPOINT"  
= LEADS INTO TEST SEQUENCE

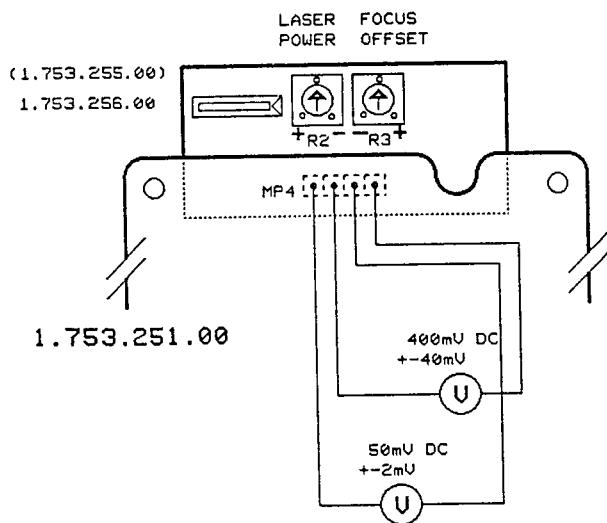
→ + MICROCONTROLLER IN "SLEEP MODE"  
+ REACTIVATE WITH "RESET"

## CD player servo board alignment

Connect the CD player by means of a flat cable extension to the amplifier so that the unit can be operated via the control panel and to gain access to the servo board.

**Important:** This alignment is necessary after a replacement of the CD player mechanism or the servo board !

- Connect the voltmeter to MP4.
- Set R2 and R3 to their center position.
- Insert test CD No. 3, play track 1.
- Align R2 for a reading of 50 mV DC  $\pm 2$  mV at MP4.
- Align R3 for a reading of 400 mV DC  $\pm 40$  mV at MP4.



## Cassette deck alignment

Connect the cassette deck with the aid of a flat cable extension to the amplifier so that the cassette deck can be operated via the control panel and to gain access to the electronics.

### Reproduce/record electronics

#### Main board 1.755.220

##### Multiplex filter

- Switch MPX ON, Dolby OFF, and set the RECORD VOLUME to 0 dB.
- Feed 0.5 V rms at 19 kHz to AUX IN connector of the amplifier.
- Align L203 and L202 in such a way that the amplitude at REC L and REC R (MP7) is minimal. The attenuation at 19 kHz should be > 30 dB.

##### Aligning the display

- Switch the cassette deck to stop and feed a 0.5 V at 500 Hz to AUX IN connector of the amplifier.
- Turn potentiometer RA506 to the center position.
- With potentiometers RA504 and RA536 align the display to a reading of 0 dB.
- Decrease the level by 20 dB and align both channels to -20 dB with potentiometer RA506. (-20 dB ± 0.5 dB).

##### Aligning the reproduce section

- Switch off the cassette deck and demagnetize all tape guidance elements.
- Switch MPX and DOLBY NR OFF.
- Insert a reproduce reference tape type IEC I into the cassette compartment and play the level tone section (315 Hz 250 nWb/m).
- With potentiometers RA132 and RA105, align the voltage at test points REC L and REC R to 308 mVeff.
- Align the azimuth at -10 dB relative to 250 nWb/m at 10 kHz to maximum amplitude and minimum phase error between L and R.
- Align with potentiometers RA118 and RA123 for linear reproduce frequency at 18 kHz. Test points PB-L and PB-R (MP6), reference level -20 dB of the measuring tape.

##### Aligning the record section

- The following cassette types are used in factory for aligning the record section:  
IEC I: TDK AR-X60  
IEC II: BASF Chrome Super II  
IEC IV: TDK MA-X60.

##### Alignment procedure

- Connect MPX and DOLBY NR to OFF, set the RECORD VOLUME to 0 dB.
- Align potentiometers RA400 and RA401 so that 11 V DC are obtained at pins 4 and 18 of IC519.
- Insert cassette type IEC I and start the cassette deck in record mode.
- Align the erase oscillator transformer T400 in such a way that a frequency of 105 kHz is obtained at the ERASE test point (MP8).
- With the transformers T401 and T402 align for maximum amplitude at Pins 1 and 4 of the record head connector P41. The voltage at the ERASE test point (MP8) should now be >26 Veff.
- Feed 0.5 Veff at 500 Hz to AUX IN connector of the amplifier.
- Reduce the signal level by 20 dB.
- With the potentiometers RA632 and RA633 align the reading on the display to -20 dB.
- Take the voltage at test points PB-L and PB-R as the reference level.
- With the potentiometers RA400 and RA401 align to 0 dB at 12 kHz. First search the maximum and then turn the potentiometer counterclockwise until the reference level is reached.
- Set the frequency to 500 Hz and with potentiometers RA632 and RA633 correct the amplitude to the reference level.
- Repeat the frequency response alignment at 12 kHz.
- Then correct the frequency response at 18 kHz with the coils L601 and L602 to the reference level.
- Increase the level at 500 Hz by 20 dB and align the amplitude at test points PB-L and PB-R (MP6) to 565 mV. (Potentiometers RA632 and RA633).
- Check the frequency response with the cassette types IEC II and IV. After a correct alignment, the values should correspond to the technical specifications.

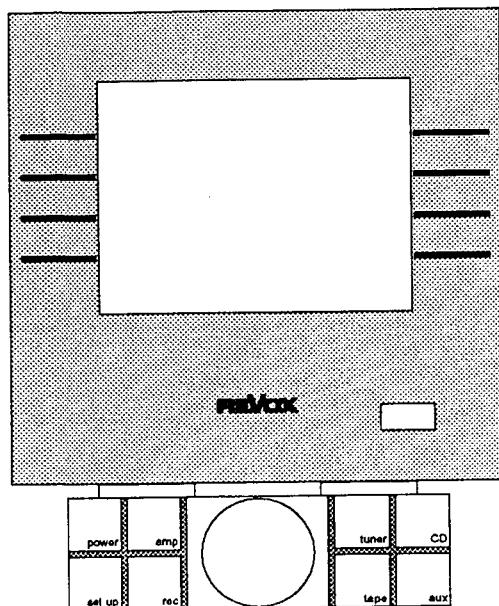
## Manuel de service evolution

### Table des matières

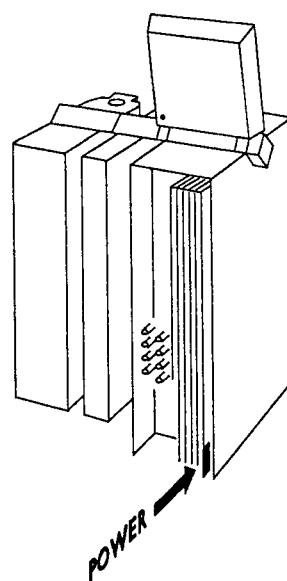
- Affichage et clavier
- Les composants de base evolution, vue arrière
- La télécommande IR evolution
- Raccords à l'arrière de l'amplificateur
- Synoptique des menus de commande evolution
- Caractéristiques techniques
- Dimensions
- Essai de l'affichage et du clavier
- Réglage du courant de repos d'amplificateur
- Instructions d'alignement:
  - FM-Tuner Board
  - Servo Board lecteur CD
  - Magnétophone à cassettes, électronique d'enregistrement et de reproduction
- Schémas

**Remarque:** L'assemblage ainsi que le fonctionnement et l'utilisation de la chaîne haute fidélité evolution sont décrits en détail dans le mode d'emploi evolution, numéro de commande 10.30.0300. Le présent manuel de service presuppose que l'on connaisse ce mode d'emploi.

**Affichage et unité de commande**



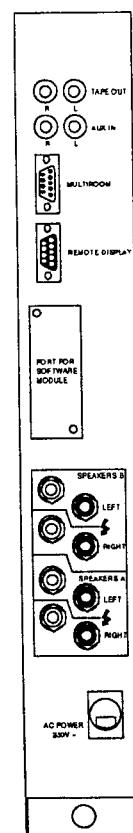
**Composants de base evolution**



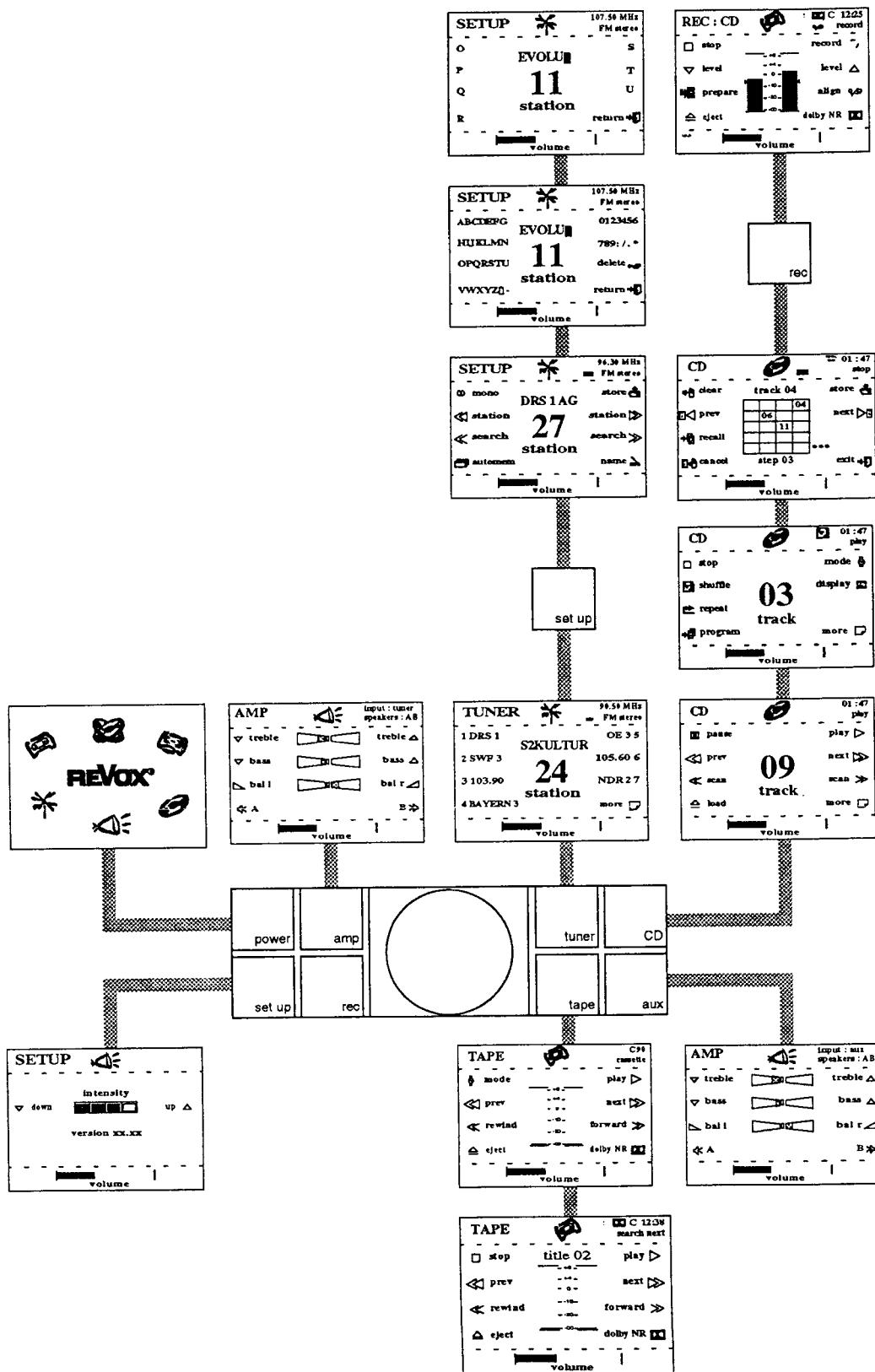
**Télécommande IR**



**Raccords sur la face arrière de l'amplificateur**



## Vue d'ensemble • menus de commande evolution



## Caractéristiques techniques

### Caractéristiques générales

Amplificateur, Tuner FM, Lecteur CD,  
Platine à cassettes

#### Commande:

via menu de l'unité d'affichage  
réglage du VOLUME par bouton rotatif  
télécommande par code IR du type RC-5  
système interne de communication via data bus

#### Affichage local:

Afficheur à matrice LCD éclairée  
réglable sur 4 niveaux  
haute résolution 320 x 240 points

#### Alimentation:

câble fixe, fiche EURO à 2pôles  
pour tous les voltages 50...60 Hz  
220...230 V AC 198...242 V,  
fusible réseau T 3.15 A retardé

#### Consommation:

max:	600 W
en service: typique, selon la fonction:	40...60 W
en veille:	5 W

#### Conditions environnementales de fonctionnement:

humidité relative classe F selon DIN 40040 +10...+40°C

#### Dimensions extérieures (L x H x P):

**AMP+TUNER+CD:** max. 390 x 675 x 330mm  
min. 390 x 646 x 330mm

**AMP+TUNER+CD+TAPE:** max. 535 x 675 x 330mm  
min. 535 x 646 x 330mm

**Poids (masse):** Amplificateur: 14 kg  
Tuner: 8 kg  
Lecteur CD: 7 kg  
Platine à cassettes: 7 kg

### Amplificateur:

#### Puissance maximale:

1 kHz, 1 période en, 16 périodes hors:	
sur 4 ohms:	2 x 250 W
sur 8 ohms:	2 x 130 W

#### Puissance sinusoïdale:

selon DIN 45500:	sur 4 ohms: 2 x 150 W
	sur 8 ohms: 2 x 100 W
selon CEI 65:	sur 8 ohms: 2 x 100 W

**Facteur d'amortissement:** à 1 kHz, 8 ohms: >100

#### Distorsions harmoniques:

à 1 kHz et 100 W sur 4 ohms: 0.007 %

**Temps de montée:** pour charge 4 ohms: 7 µs  
pour charge 8 ohms: 6 µs

#### Sensibilité d'entrée / impédance AUX:

pour 1 kHz à 150 W sur 4 ohms: 350 mV / 47 k ohms  
nominale: 500 mV

#### Sorties:

#### Niveau / impédance à tension nominale d'entrée:

TAPE OUT:	500 mV / 1 k ohms
PHONES:	8.5 V / 280 ohms
SPEAKERS A/B:	24.5 V / 60 m ohms

#### Réglage de tonalité, par ± 4 pas:

graves à 40 Hz:	-14...+14 dB
aiguës à 14 kHz:	-12...+12 dB

#### Rapport signal / bruit AUX:

(à tension nominale d'entrée)

pour 150 W / 4 ohms, chargé à 1 k ohms:	96 dB
pour 50 mW / 4 ohms, chargé à 1 k ohms:	76 dB

**Tension maximale d'entrée AUX:** 5 V

#### Séparation des canaux:

à 1 kHz, chargé à 1 k ohms: 70 dB

#### Réponse en fréquence:

20...20 kHz: +0 / -0.5 dB

Voir aussi section "Caractéristiques générales"

**Tuner FM**

Sauf indication contraire, les données suivantes sont mesurées à 98 MHz, signal HF 1 mV modulé à 400 Hz.

**Présélection des stations:** max. 36 mémoires de stations

**Plage de réception:** 87.50...108.00 MHz

**Par pas de:** 50 kHz

**Référence quartz:** précision: 0.002 %

**Rejection de la fréquence-image:** 100 dB

**Affaiblissement de la fréq. intermédiaire:** 100 dB

**Affaiblissement de la voie adjacente:** 100 dB

**Affaiblissement d'intermodulation HF** (par rapport à la sensibilité limitée à un écart de fréquence de 2 MHz): -86 dB

**Largeur de bande (-3 dB):** 130 kHz

**Sélection statique:** à ± 300 kHz: 65 dB

**Atténuation d'intermodulation HF:**  
(30 % AM, 75kHz d'excursion de fréquence) 70 dB

**Courbe de réponse en fréq.:** (20..15kHz) +0.5 / -1.5 dB

**Désaccentuation:** 50 µs (75 µs)

**Distorsions BF:** (1 kHz, 40 kHz d'excursion de fréquence, stéréo L=R) 0.1 %

**Rapport signal / bruit:**  
(30 Hz...15 kHz, 75 kHz d'excursion de fréquence, mono 1 mV HF; stéréo 10 mV HF) 80 dB

**Affaiblissement de diaphonie stéréo:**  
(1 kHz, 40 kHz d'excursion de fréquence) 43 dB

**Affaiblissement de la tonalité pilote:**  
(15..300kHz, 75kHz d'excursion de fréq.) 66 dB

**Decodeur RDS:** interprétation du paramètre PS

**Entrée d'antenne:** 75 ohms coaxiale, selon CEI/DIN 54325

**Mémorisation lors d'une coupure:** dans un EEPROM

**Alimentation:** Alimenté par l'amplificateur du système

Voir aussi section "Caractéristiques générales"

**Lecteur CD**

**Réponse en fréquence:** 31.5 Hz...20 kHz ± 0.2 dB

**Distorsions:** 20 Hz...20 kHz < 0.005 %

**Ecart signal / bruit:**  
linéaire: 20 Hz...20 kHz 96 dB  
pondéré A: 100 dB

**Affaiblissement de diaphonie:** à 1 kHz 96 dB

**Niveau de sortie AUX:**  
à 0 dB Niveau de référence sur CD 2.0 V ± 10 %

**Conversion D/A:**  
1-bit, technologie Bit-Stream en mode différentiel

**Suréchantillonage:** × 256

**Filtre digital:** 20 bit (8-fois suréchantillonage)

**Temps de recherche sur un point quelconque:** < 2 s

**Alimentation:** Alimenté par l'amplificateur du système

Voir aussi section "Caractéristiques générales"

## Platine à cassettes

### Transport de bande:

transport de bande à double cabestan à entraînement asservi, systèmes séparés de têtes d'enregistrement et de reproduction, tête d'effacement à ferrite

### Distorsion harmonique:

à 200 nWb/m (k3 de 333Hz)

type I:	<1.0 %
type II:	<1.5 %
type IV:	<1.5 %

### Support d'enregistrement:

cassettes compactes jusqu'à C-120,  
recommandé jusqu'à C-90

### Rapport signal / bruit Dolby C \*:

par rapport à une distortion de 3%:

type I:	> 72 dB (A)
type II:	> 73 dB (A)
type IV:	> 73 dB (A)

### Vitesse de bande:

4,76 cm/s

### Séparation des canaux:

à 1 kHz: supérieure à -40 dB

### Tolérance de vitesse de bande:

± 0.5 %

### Fréquence de prémagnétisation/effacement:

105 kHz

### Glissement de la bande:

< 0.3 %

### Efficacité d'effacement:

à 1 kHz (Dolby C \* = ON) > 65 dB

### Temps de bobinage:

95 s pour cassette C-60

### Niveau d'entrée AUX:

à 0 VU: 500 mV / 47 k ohms

### Minuterie de bande:

min / sec (temps écoulé réel),  
remise à zéro au début de la bande

### Niveau de sortie TAPE OUT:

à 0 VU: 500 mV / 1 k ohms

### Commutateur automatique du type de bande:

pour types I, II et IV

### Alimentation:

Alimenté par l'amplificateur du système

### Système d'enregistrement:

extension de dynamique active HX PRO \*

Voir aussi section "Charactéristiques générales"

### Aide d'étalonnage:

Réglage automatique de la prémagnétisation pour toutes les bandes avec mise en mémoire des paramètres pour les types I, II et IV.

### Modifications réservées

### Système de réduction de bruit:

Dolby B et C \*

Les spécifications de la bande sont obtenues avec des cassettes modernes de haute qualité. Spécifications obtenues avec:

type I:	TDK AR-X
type II:	BASF Chrome Super II
type IV:	TDK MA-X

### Égalisation de reproduction:

type I:	3180 + 120 µs
type II:	3180 + 70 µs
type IV:	3180 + 70 µs

\* La réduction de bruit Dolby et l'extension de dynamique active HX Pro sont fabriquées sous licence de Dolby Laboratories Licensing Corporation. Le HX Pro a été créé par Bang & Olufsen. DOLBY, le symbole double D et HX PRO sont des marques déposées de Dolby Laboratories Licensing Corporation.

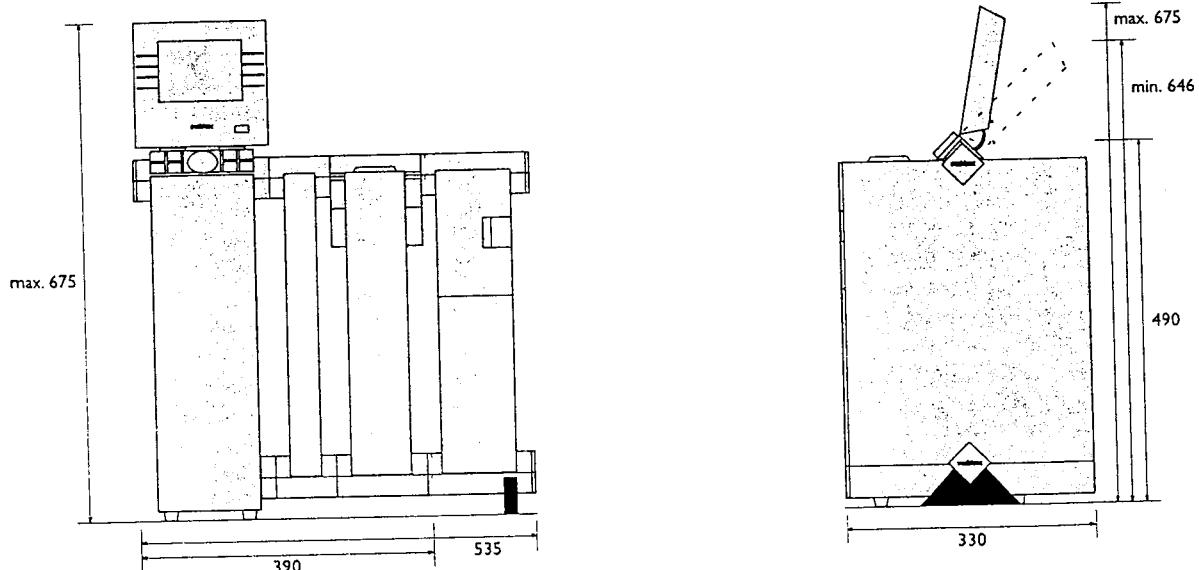
### Réponse en fréquence:

sur bande, -20 dB, Dolby NR \* = OFF,  
après l'alignement automatique:

type I:	30Hz...20 kHz ± 3 dB
type II:	30Hz...20 kHz ± 3 dB
type IV:	30Hz...20 kHz ± 3 dB

### Étalonnage de niveau:

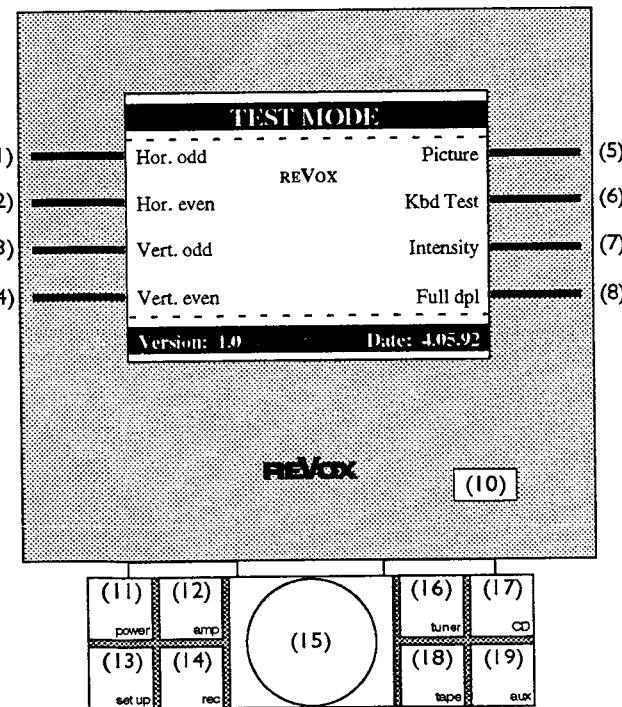
200 nWb/m, correspondant à 0 dB = niveau Dolby \*

**Dimensions (mm) evolution**

## Essai de l'affichage et du clavier

- Monter correctement l'unité de commande sur un amplificateur en état de fonctionnement.
- Le bus de données et d'alimentation (prisme inférieur de raccordement) de l'amplificateur doit être pourvu d'une fiche de terminaison.
- Raccorder le câble réseau de l'amplificateur au réseau et enclencher l'amplificateur en actionnant l'interrupteur réseau à l'arrière de l'appareil (Stand by).

### Mode de test



### Fonctions de test

Les tests suivants peuvent être effectués avec les touches (1)...(7) lorsque l'affichage est dans un état parfait:

- (1) **Hor. odd** dessine une ligne horizontale sur toutes les lignes impaires
- (2) **Hor. even** dessine une ligne horizontale sur toutes les lignes paires
- (3) **Vert. odd** dessine une ligne verticale sur toutes les lignes impaires
- (4) **Vert. even** dessine une ligne verticale sur toutes les lignes paires
- (5) **Picture** Le menu initial Revox apparaît pour indiquer la résolution d'affichage
- (6) **Kbd Test** quittance de chaque pression sur une touche au menu spécial "Keyboard Test"
- (7) **Intensity** Le menu Setup apparaît pour le contrôle d'intensité
- (8) **Full dpl.** Active tous les points d'image de l'affichage

### Retour au menu de sélection

- Presser simultanément les touches (1) et (5)

### Retour au mode d'exploitation normal

- Actionner l'interrupteur réseau à l'arrière de l'amplificateur puis réenclencher.

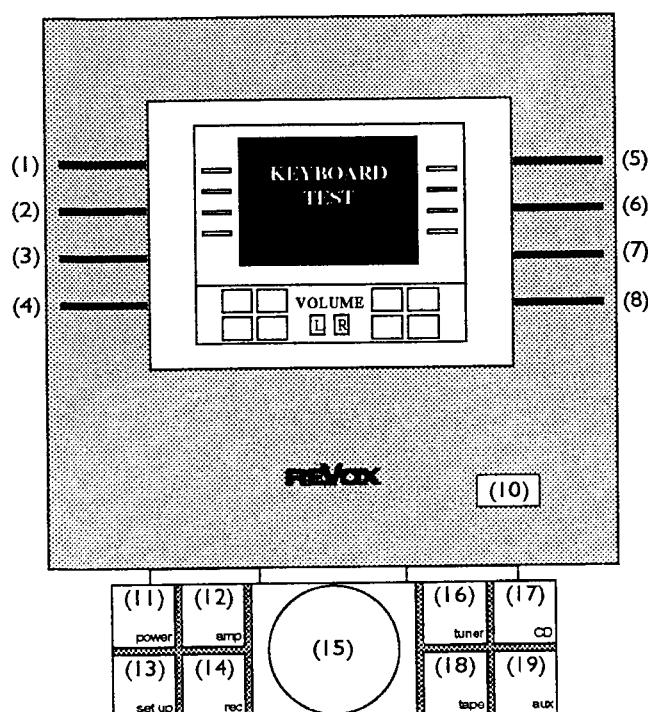
### Activation du mode de test

1. Enclencher l'installation avec la touche power (11); attendre jusqu'à ce que l'affichage change du menu initial «REVOX» à un des menus de commande.
2. Presser simultanément les touches (4) et (5)
3. Presser ensuite simultanément les touches (1) et (8)
4. Le menu de sélection du mode de test apparaît

## Réglage du courant de repos d'amplificateur

### Menu de test de clavier

- Au menu de sélection du mode de test, presser la touche (6) **Kbd Test** => le menu suivant apparaît:



Le réglage du courant de repos se fait sur l'Amplifier Unit 1.751.250.00:

- Relier le voltmètre à P1 et P2
- Régler à 1 mV DC avec RA1 (1 kohms)
- Relier le voltmètre à P3 et P4
- Régler à 1 mV DC avec RA2 (1 kohms)

Chaque touche actionnée est confirmée sur le modèle d'affichage par allumage de la touche correspondante. Pour le réglage de volume, on a "L" et "R" pour rotation à gauche et à droite respectivement.

- Pour revenir au menu de sélection, presser simultanément les touches (1) et (5).

### Réception des commandes à distance

- Utiliser une télécommande evolution fonctionnant correctement (batteries neuves, montées correctement).
- À la réception de chaque instruction de télécommande, par la fenêtre de réception IR (10), le symbole «» apparaît à l'affichage.

Une fois que tous les tests décrits sont effectués correctement, l'unité de commande et la communication avec l'amplificateur fonctionnent.

## Alignement du FM-Tuner Board

Toutes les procédures d'alignement se font sur le FM-Tuner Board 1.752.180.20. Le tuner est relié à l'amplificateur au moyen de rallonges de câbles plats afin de permettre d'une part la commande du tuner par l'unité de commande et de garantir d'autre part l'accès à la platine FM-Tuner.

### Fréquences de test stockées sur le tuner

Les fréquences suivantes sont mises en mémoire d'usine:

Station:	Fréquence:
1	87,50 MHz
2	90,00 MHz
3	98,00 MHz
4	106,00 MHz
5	108,00 MHz

### Rappel des réglages d'usine

- Presser la touche **tuner**
- Presser la touche **setup**
- Presser environ 2 secondes la touche **automem**
- Pendant la recherche automatique mettre hors service l'installation à l'aide de la touche **power**, puis la réenclencher.
- Les stations 1 ... 5 seront à nouveau programmées avec les fréquences ci-dessus.

### Oscillateur local: L701, C705

- Prérégler L701 et C705 selon modèle
- Relier le voltmètre numérique à ATP1 (C706-R722)
- Régler à  $4,50 \text{ V DC} \pm 0,05 \text{ V}$  au moyen de L701 à 87,50 MHz
- Régler à  $24,00 \text{ V DC} \pm 0,25 \text{ V}$  avec C705 à 108,00 MHz
- Répéter les deux dernières opérations jusqu'à ce que les valeurs soient dans la tolérance

### Etage-tampon d'oscillateur: L700, C718

- Prérégler L700 et C718 selon modèle
- Relier le voltmètre HF à ATP2 (R215-C202), calibre 100 mV
- Régler au maximum de HF avec L700 à 90 MHz
- Régler au maximum de HF avec C718 à 106,00 MHz
- Répéter les deux dernières opérations jusqu'à ce que l'on ne puisse plus obtenir d'améliorations notables
- Valeur indicative de la tension à ATP2: 50 mV AC
- **Attention:** Ne pas dérégler T200!

### Circuits HF: L102...C100

- Prérégler L102, L101, L103, L100, C115, C101, C103, C100 selon modèle
- Injecter le signal du générateur HF sans modulation à l'entrée antenne
- Fréquences: 90,000 MHz resp. 106,000 MHz
- Tension d'entrée: U = env. 0,6 mV; au début, éventuellement un peu plus
- Relier le voltmètre HF à ATP3 (R320), calibre 0,3 V
- Couper le CAG, mettre RA409 à la butée gauche
- Tuner: 90,00 MHz, resp. 106,00 MHz
- A 90,00 MHz: régler L102, L101, L103 et L100 au maximum de HF
- A 106,00 MHz: régler C115, C101, C103 et C100 au maximum de HF
- Répéter les deux dernières opérations jusqu'à ce que les valeurs soient dans la tolérance
- Valeur indicative de la tension en ATP3: 150 mV AC

### Premier circuit FI: T201

- Injecter le signal du générateur HF sans modulation à l'entrée antenne
- Fréquence: 98,000 MHz,  
Tension d'entrée U = env. 0,6 mV
- Relier le voltmètre HF à ATP3 (R320), calibre 0,3 V
- Couper le CAG, mettre RA409 à la butée gauche
- Tuner: 98,00 MHz
- Régler T201 au maximum de HF
- Valeur indicative de la tension à ATP3: 150 mV AC

### Second circuit FI: T300

- Injecter le signal du générateur HF sans modulation à l'entrée antenne
- Fréquence: 98,000 MHz,  
Tension d'entrée U = env. 0,6 mV
- Relier le voltmètre HF à ATP3 (R320), calibre 0,3 V
- Couper le CAG, mettre RA409 à la butée gauche
- Tuner: 98,00 MHz
- Régler T300 au maximum de HF
- Valeur indicative de la tension à ATP3: 150 mV AC

### Seuil du contrôle automatique de gain (CAG)

- Injecter le signal du générateur HF sans modulation à l'entrée antenne
- Fréquence: 98,000 MHz, tension d'entrée U = 1 mV
- Relier le voltmètre HF à ATP3 (R320), calibre 0,3 V
- Mettre RA320 à droite jusqu'à ce que la tension HF tombe de 2 dB

**Point de travail d'intensité du signal**

- Injecter le signal du générateur HF sans modulation à l'entrée antenne
- Fréquence: 98,000 MHz, tension d'entrée U = 50 µV
- Relier le voltmètre DC à ATP9 (IC9 broche 3), calibre 10 V
- Régler RA801 pour 3 V

**Démodulateur FM: RA412, T400, RA431**

Tension de polarisation des diodes capacitatives:

- Relier le voltmètre numérique à ATP4 (IC1, broche 7)
- Régler RA412 à 7 V DC ± 0,1 V

**Center Tuning T400**

- Relier le voltmètre numérique à ATP5 (IC1, broche 1)
- Injecter le signal du générateur HF sans modulation à l'entrée antenne
- Fréquence: 98,000 MHz, tension d'entrée U = 1 mV
- Tuner: 98,00 MHz
- Régler T400 pour 7 V DC ± 0,1 V

**Tension MPX démodulée: RA431**

- Relier le voltmètre AC à ATP5, calibre 1 V AC
- Injecter à l'entrée antenne le signal de générateur HF à 75 kHz d'excursion, 1 kHz, Stereo L=R, sans pilote
- Fréquence: 98,000 MHz, tension d'entrée U = 1 mV
- Tuner: 98,00 MHz
- Régler RA431 pour 0,7 V AC ± 0,02 V

**Décodeur stéréo, oscillateur 76 kHz: RA520**

- Injecter le signal du générateur HF sans modulation à l'entrée antenne
- Fréquence: 98,000 MHz, tension d'entrée U = 1 mV
- Mettre ATP6 (IC5 broche 4) à +16,5 V (R717) à travers 10 kohms
- Relier le compteur à ATP6
- Régler RA520 pour 76,00 kHz ± 0,2 kHz

**Diaphonie, décodeur stéréo: RA517**

- Injecter le signal de générateur HF à l'entrée antenne avec encodeur stéréo
- Fréquence: 98,000 MHz, tension d'entrée: U = 1 mV, Stereo L=R modulé, course 40 kHz, 1 kHz plus 9% de pilote
- Tuner: 98,00 MHz
- Relier le voltmètre AC à ATP7 (R606) et ATP8 (R609) respectivement et calibrer à 0 dB
- Commuter l'encodeur stéréo à R et L respectivement et régler l'affaiblissement de diaphonie au maximum avec RA517.
- Affaiblissement de diaphonie: >43 dB

**Affaiblissement de pilote: L610, L611**

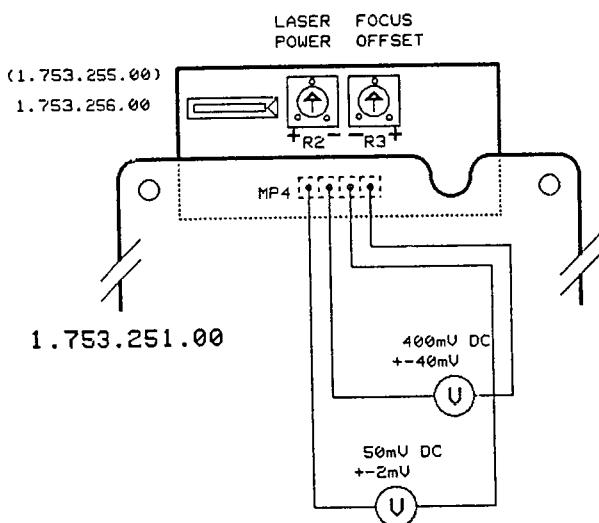
- Injecter le signal de générateur HF à l'entrée antenne avec encodeur stéréo
- Fréquence: 98,000 MHz, tension d'entrée: U = 1 mV, modulation par pilote seulement à 9%, course 40 kHz
- Tuner: 98,00 MHz
- Relier le voltmètre AC à ATP7 (R606) et ATP8 (R609) respectivement et régler l'affaiblissement de pilote au maximum avec L610 et L611 respectivement (bobines à la sortie de filtre à côté de R601, R622)
- **Attention:** Ne pas dérégler L610 et L611 (bobines à l'entrée de filtre à côté de R613, R614).

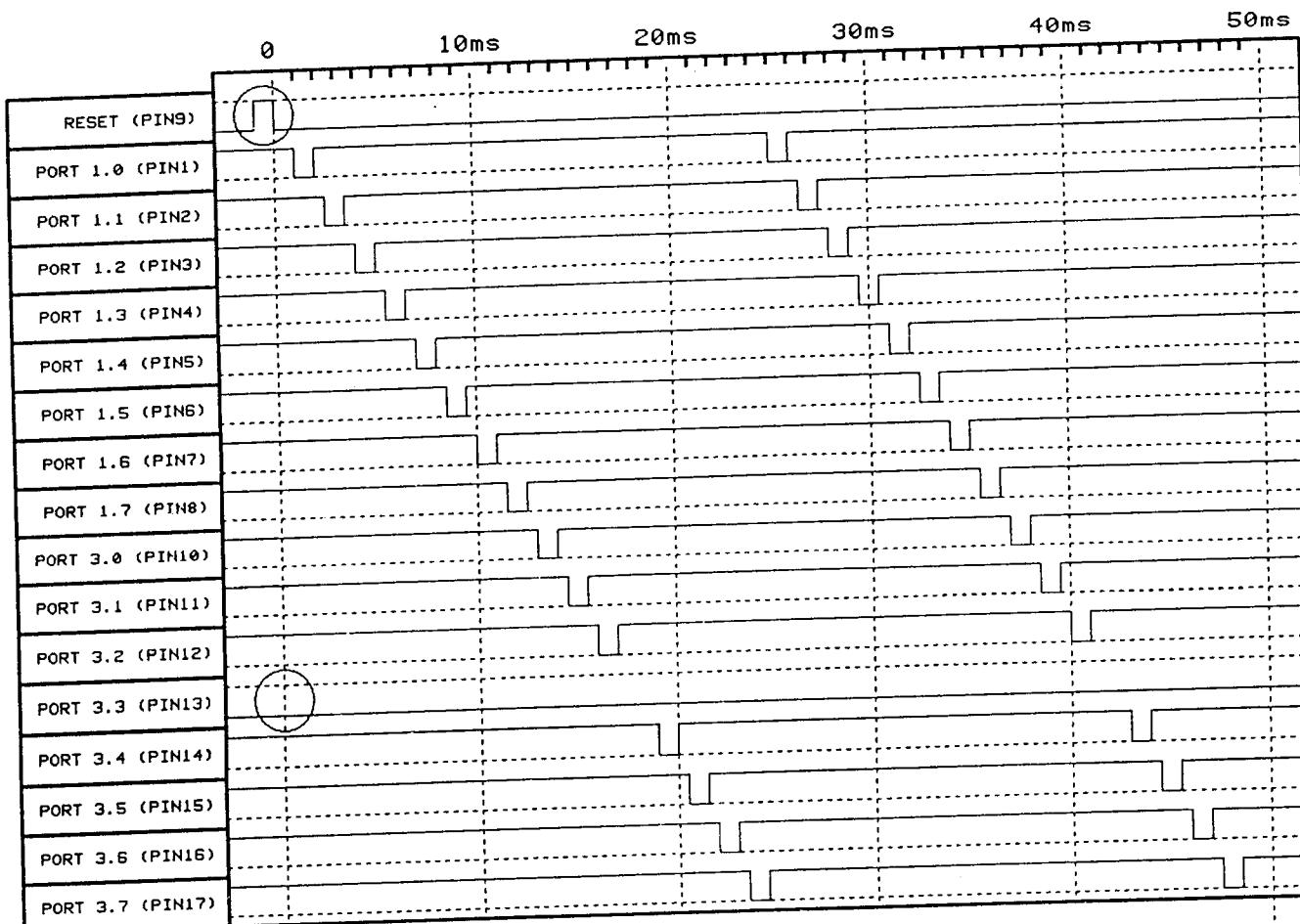
## Lecteur CD: Servo Board

Le lecteur CD est relié à l'amplificateur à l'aide de rallonges de câbles plats afin de permettre d'une part la commande du lecteur CD par l'unité de commande et d'autre part de garantir l'accès au Servo Board.

**Attention:** Cet alignement est nécessaire après un remplacement du mécanisme CD ou du Servo Board!

- Relier le voltmètre à MP4
- Mettre R2 et R3 en position médiane
- Utiliser le CD de test no. 3 et reproduire la piste 1
- Régler R2 de manière à avoir  $50 \text{ mV DC} \pm 2 \text{ mV}$  à MP4
- Régler R3 de manière à avoir  $400 \text{ mV DC} \pm 40 \text{ mV}$  à MP4





INCIRCUIT TEST PROGRAM  
FOR MICROCONTROLLER  
80C652

→ + DEVICE "RESET"  
+ PORT 3.3 HOLD AT LOW LEVEL  
(R6,R7) "TESTPOINT"  
- LEADS INTO TEST SEQUENCE

→ + MICROCONTROLLER IN "SLEEP MODE"  
+ REACTIVATE WITH "RESET"

## Magnétophone à cassettes

Le magnétophone à cassettes est relié à l'amplificateur au moyen de rallonges de câbles plats afin de permettre d'une part la commande du magnétophone par l'unité de commande et d'autre part de garantir l'accès à l'électronique.

### Alignment de l'électronique d'enregistrement et de reproduction, Main board 1.755.220

#### Filtre multiplex

- Mettre MPX sur ON, DOLBY NR sur OFF et RECORD VOLUME à 0 dB.
- Injecter 0,5 Veff à 19 kHz sur la prise d'entrée AUX IN de l'amplificateur.
- Régler L203 et L202 de manière à avoir une amplitude minimale aux points de test REC L et REC R (MP7). L'affaiblissement à 19 kHz doit être >30 dB.

#### Réglage de l'affichage

- Mettre l'appareil sur stop et injecter un signal de 0,5 V à 500 Hz sur la prise d'entrée AUX IN de l'amplificateur.
- Mettre le potentiomètre RA506 en position médiane.
- Mettre l'affichage à 0 dB avec les potentiomètres RA504 et RA536.
- Réduire le niveau de 20 dB et régler sur les deux canaux la valeur  $-20 \text{ dB} \pm 0,5 \text{ dB}$  avec le potentiomètre RA506.

#### Réglage de la partie reproduction

- Mettre l'appareil hors tension et démagnétiser les pièces de guidage de bande.
- Mettre MPX et DOLBY NR sur OFF.
- Mettre la bande de référence de reproduction du type CEI I dans le compartiment à cassette et démarrer à la partie de référence (315 Hz 250 nWb/m).
- Régler un niveau de 308 mVeff aux points de test REC L et REC R (MP7). Le réglage se fait avec les potentiomètres RA132 et RA105.
- Régler d'azimut à -10 dB par rapport à 250 nWb/m, à 10 kHz pour amplitude maximale et déphasage minimal entre L et R.
- Régler avec les potentiomètres RA118 et RA123 la courbe de réponse de reproduction à 18 kHz pour obtenir une linéarité maximale. Points de test PB-L et PB-R (MP6), niveau de référence -20 dB de la bande de mesure.

#### Réglage de la partie enregistrement

- Pour régler la partie enregistrement, on utilise les types de cassettes suivants:
  - CEI I: TDK AR-X60
  - CEI II: BASF Chrome Super II
  - CEI IV: TDK MA-X60

#### Procédure

- Mettre MPX et DOLBY NR sur OFF, RECORD VOLUME à 0 dB.
- Régler avec les potentiomètres RA400 et RA401 une tension continue de 11 V aux broches 4 et 18 du CI519.
- Mettre une cassette type CEI I et faire démarrer l'appareil en enregistrement.
- Régler le transformateur d'oscillateur d'effacement T400 de manière à avoir au point de test ERASE (MP8) une fréquence de 105 kHz.
- Régler les transformateurs T401 et T402 pour une amplitude maximale aux broches 1 et 4 de la fiche de tête d'enregistrement P41. La tension au point de test ERASE (MP8) doit désormais être >26 Veff.
- Injecter 0,5 Veff à 500 Hz sur la prise d'entrée AUX IN de l'amplificateur.
- Réduire le niveau de signal de 20 dB.
- Régler -20 dB à l'affichage avec les potentiomètres RA632 et RA633.
- Prendre comme niveau de référence la tension aux points de test PB-L et PB-R.
- Régler les potentiomètres RA400 et RA401 le niveau de référence 12 kHz. Chercher d'abord le maximum, faire tourner le potentiomètre depuis ce point à gauche (sens antihoraire) jusqu'à atteindre le niveau de référence .
- Mettre la fréquence à 500 Hz et corriger l'amplitude à nouveau au niveau de référence avec les potentiomètres RA632 et RA633.
- Répéter le réglage de courbe de réponse à 12 kHz.
- Ensuite, corriger au niveau de référence avec les bobines L601 et L602 à 18 kHz.
- Augmenter le niveau à 500 Hz de 20 dB à nouveau et régler à 565 mV l'amplitude aux points de test PB-L et PB-R (potentiomètres RA632 et RA633).
- Après un alignement correct les valeurs des types CEI II et IV doivent correspondre.

## Schematic diagrams

### evolution system block diagram

#### **Operating unit, Remote control**

Control board	1.750.017.21
Keyboard	1.750.019.81
Remote control board	1.750.012.81

#### **Amplifier**

Block diagram	1.751.100.00
Mains transformer 230 V	1.751.200.00
Control unit	1.751.220.20
Control unit	1.751.220.21
Memory card (option)	1.751.230.20
Amplifier unit	1.751.250.00
Amplifier unit	1.751.250.81
Speaker terminal	1.751.260.00
Prisma connectors	

#### **Tuner**

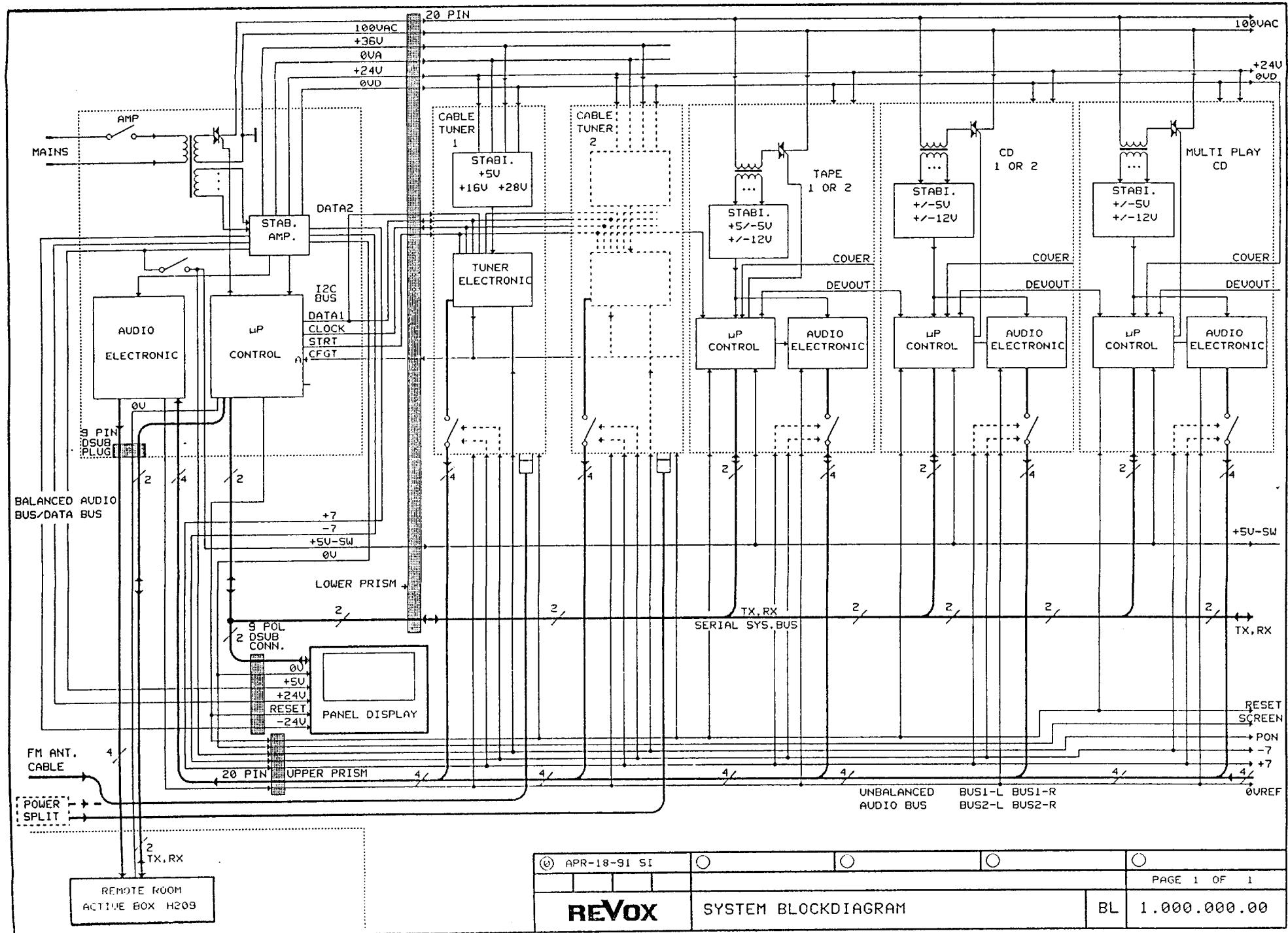
Block diagram	1.752.180.20
FM-Tuner unit	1.752.180.20
FM-Tuner unit	1.752.180.21
Interconnection unit top	1.752.230.00
Interconnection unit bottom	1.752.240.00

#### **CD-Player**

Block diagram	1.753.000.00
Supply controller board	1.753.200.20
Cover sensor unit	1.753.230.00
Decoder board	1.753.250.00
Servo board modifications	1.753.251.00
Converter board modifications	1.753.252.00
Flex jumper extension	1.753.256.00
«Verdrahtung CD-Antrieb»	1.753.257.00
«Unterbrecher»	1.753.258.00
Audio buffer unit	1.753.260.00
Bus connection unit top	1.753.270.00
Bus connection unit bottom	1.753.280.00
«Motor kpl.»	1.753.352.00

#### **Cassette deck**

Block diagram	1.755.010.00
Power supply board	1.755.200.21
Eject control board	1.755.210.00
Main board	1.755.220.00
Interconnection unit top	1.755.230.00
Interconnection unit bottom	1.755.240.00

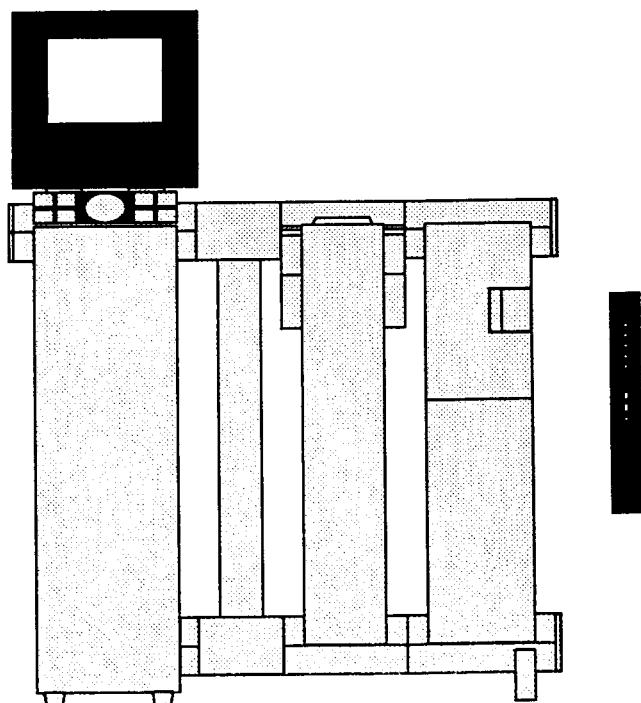


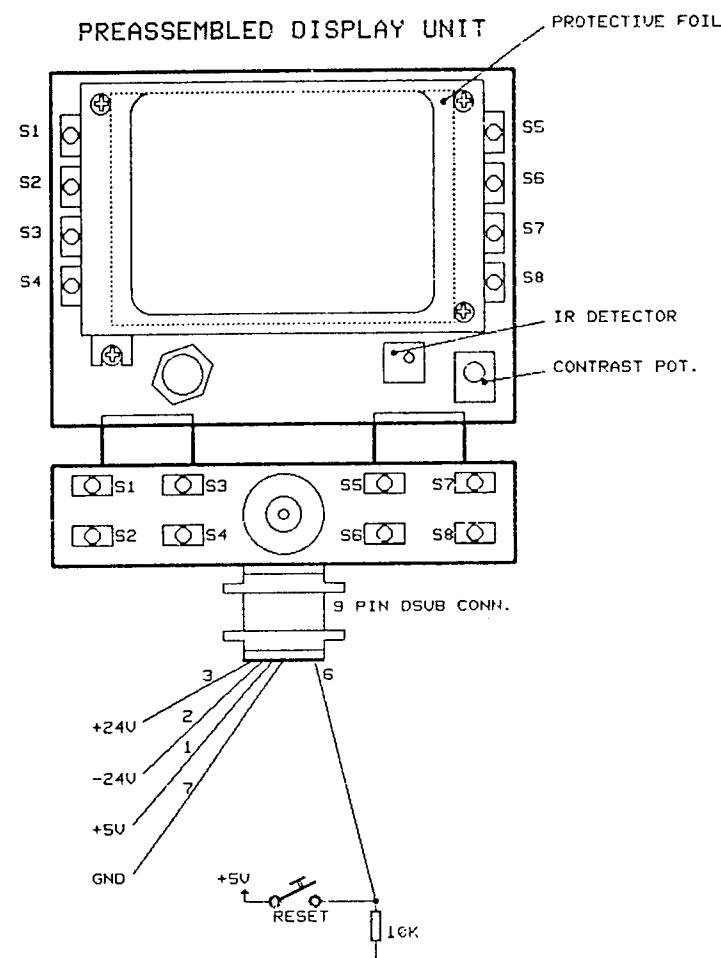
**Schemata Bedienungseinheit,  
Handfernbedienung**

**Schematic diagrams operating unit,  
remote control**

**Schémas de l'unité de commande et  
de la télécommande**

Control board	1.750.017.21
Keyboard	1.750.019.81
Remote control board	1.750.012.81

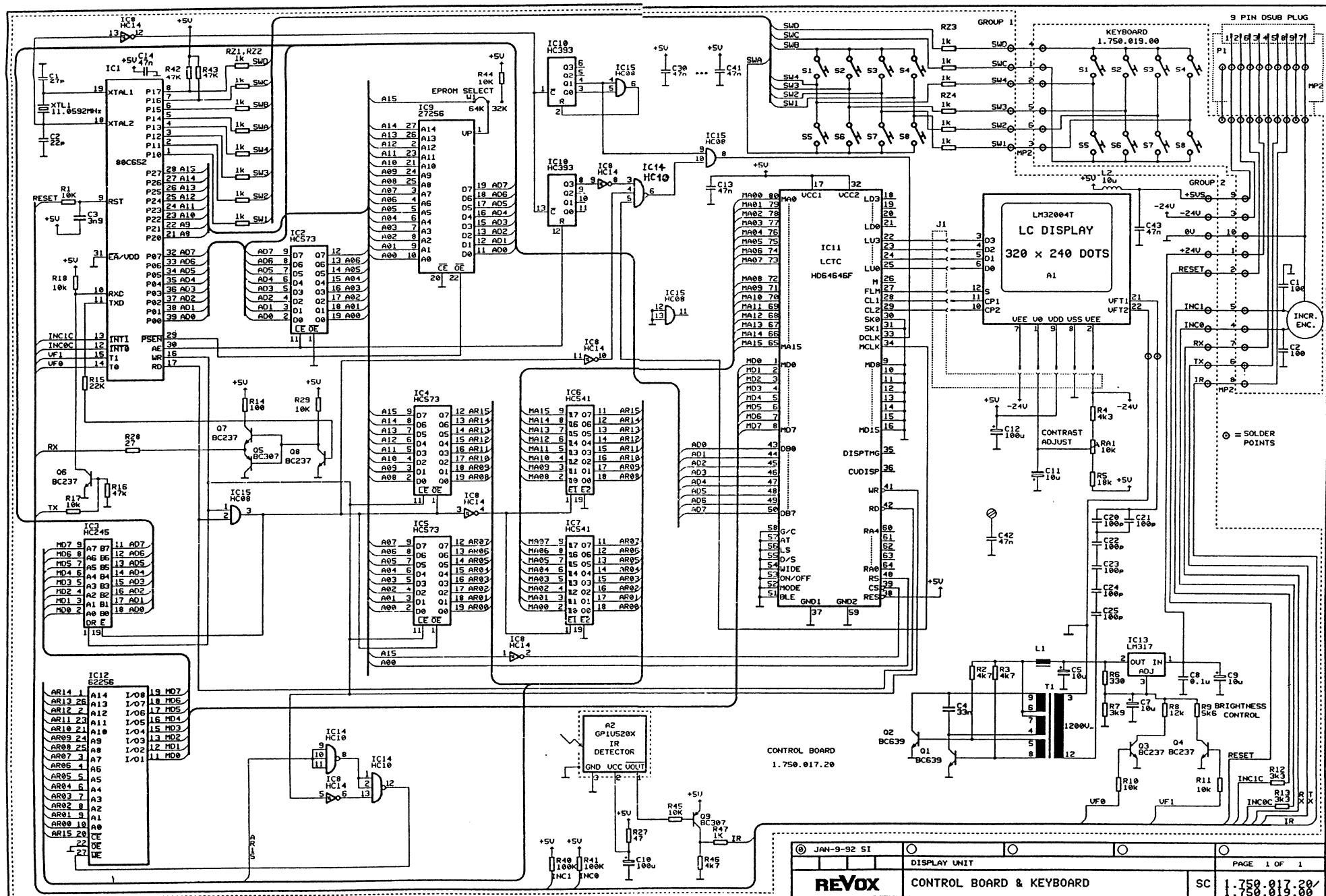




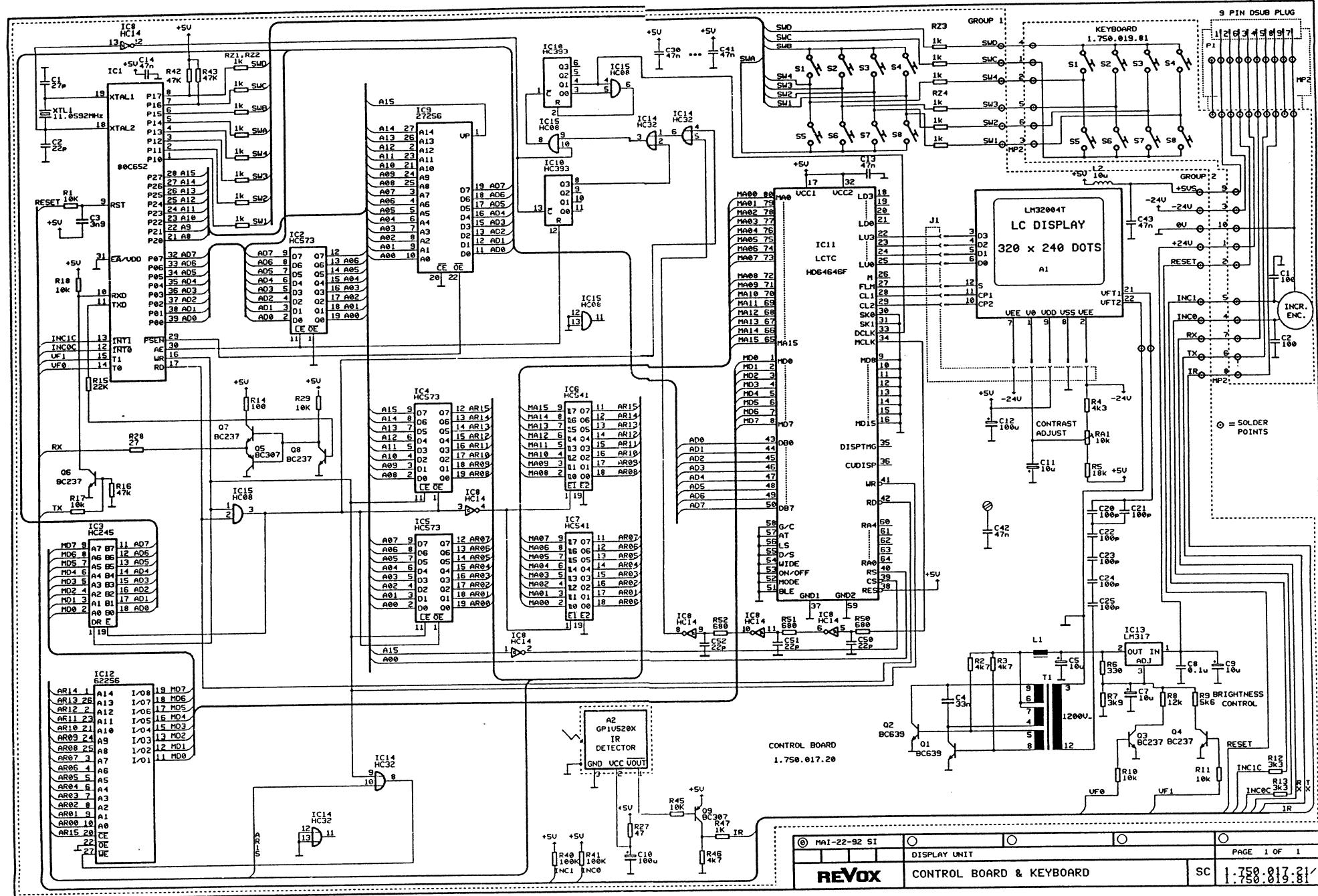
(@) JAN-28-92 SI				
DISPLAY UNIT D-SERIE				
<b>REVOX</b>				

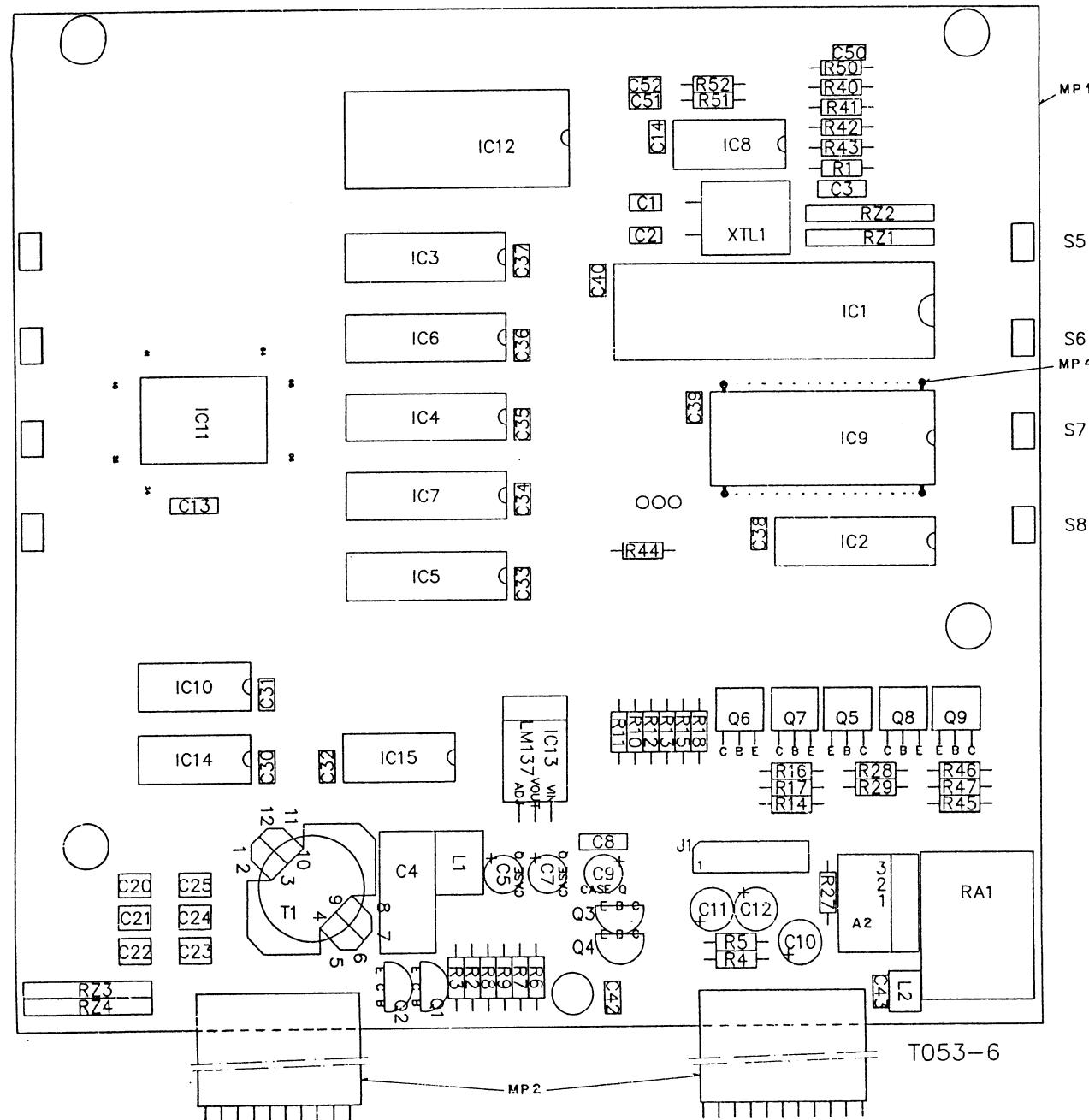
PAGE 1 OF 1

SC 1.750.017.20/  
1.750.019.00



REVOX





Werkstatt	Norm-Nr.:	Gute:	③ ② ①
	DIN-Bet.:	Oberfläche: Beh.:	
Abmessung:			
Zugehörige Unterlagen:	Freimassstoleranz:	Maßstab:	Neuverf.
PL	+	2 : 1	Datum: 5.8.92
Ersatz für:	Ersetzt durch:	Kopie für:	Gez. Gepr. Ges. Index
STUDER REGENDORF ZHURICH	CONTROL BOARD		1.750.017-21

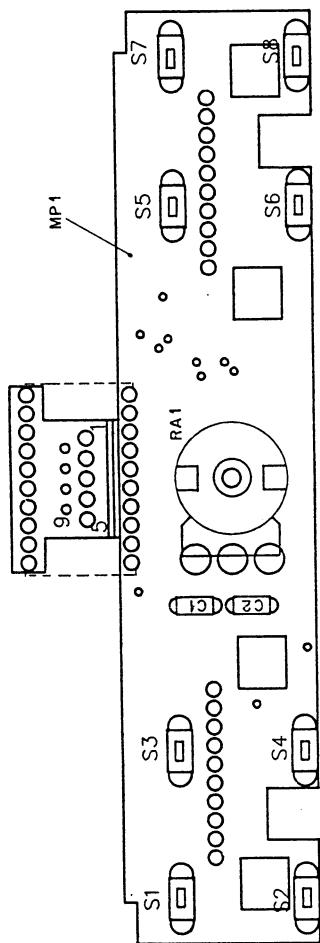
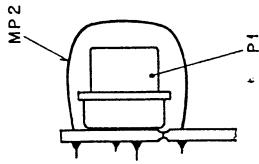
## I.750.017.21 CONTROL BOARD

Ad ...Pos... ...Ref.No... Description .....

A.....1	73.01.0156	LM32004T	LCD Unit Spec.No.LC90X06	SHARP	R....10	57.11.3103	10 k	\$, 0.4W	MP
A.....2	50.99.0185	GP1U520X	IR Remote Detecting Circ.	SHARP	R....11	57.11.3103	10 k	\$, 0.4W	MP
C.....1	59.34.2270	27 p	5%, 25V , CER		R....12	57.11.3332	3.3 k	\$, 0.4W	MP
C.....2	59.32.1220	22 p	5%, 25V , CER		R....13	57.11.3332	3.3 k	\$, 0.4W	MP
C.....3	59.99.1103	3.9 n	5%, 63V , CER		R....14	57.11.3101	100	\$, 0.4W	MP
C.....4	59.05.6333	33 n	10%, 400V , PP		R....15	57.11.3223	22 k	\$, 0.4W	MP
C.....5	59.22.6100	10 u	-20%, 35V , EL		R....16	57.11.3473	47 k	\$, 0.4W	MP
C.....7	59.22.6100	10 u	-20%, 35V , EL		R....17	57.11.3103	10 k	\$, 0.4W	MP
C.....8	59.06.0104	100 n	10%, 50V , PETP		R....18	57.11.3103	10 k	\$, 0.4W	MP
C.....9	59.22.6100	10 u	-20%, 35V , EL		R....19	57.11.3470	47	\$, 0.4W	MP
C....10	59.22.3101	100 u	-20%, 10V , EL		R....20	57.11.3270	27	\$, 0.4W	MP
C....11	59.22.6100	10 u	-20%, 35V , EL		R....21	57.11.3103	10 k	\$, 0.4W	MP
C....12	59.22.3101	100 u	-20%, 10V , EL		R....22	57.11.3473	47 k	\$, 0.4W	MP
C....13	59.99.1021	47 n	20%, 50V , CER		R....23	57.11.3472	4.7 k	\$, 0.4W	MP
C....14	59.99.1021	47 n	20%, 50V , CER		R....24	57.11.3102	1 k	\$, 0.4W	MP
C....20	59.32.1101	100 p	10%, 400V , CER		R....25	57.11.3681	680	\$, 0.4W	MP
C....21	59.32.1101	100 p	10%, 400V , CER		R....26	57.11.3681	680	\$, 0.4W	MP
C....22	59.32.1101	100 p	10%, 400V , CER		R....27	57.11.3681	680	\$, 0.4W	MP
C....23	59.32.1101	100 p	10%, 400V , CER		R....28	57.11.3681	680	\$, 0.4W	MP
C....24	59.32.1101	100 p	10%, 400V , CER		R....29	57.11.3681	680	\$, 0.4W	MP
C....25	59.32.1101	100 p	10%, 400V , CER		R....30	57.11.3681	680	\$, 0.4W	MP
C....30	59.99.1021	47 n	20%, 50V , CER		R....31	57.11.3681	680	\$, 0.4W	MP
C....31	59.99.1021	47 n	20%, 50V , CER		R....32	57.11.3681	680	\$, 0.4W	MP
C....32	59.99.1021	47 n	20%, 50V , CER		R....33	57.11.3681	680	\$, 0.4W	MP
C....33	59.99.1021	47 n	20%, 50V , CER		R....34	57.11.3681	680	\$, 0.4W	MP
C....34	59.99.1021	47 n	20%, 50V , CER		R....35	57.11.3681	680	\$, 0.4W	MP
C....35	59.99.1021	47 n	20%, 50V , CER		R....36	57.11.3681	680	\$, 0.4W	MP
C....36	59.99.1021	47 n	20%, 50V , CER		R....37	57.11.3681	680	\$, 0.4W	MP
C....37	59.99.1021	47 n	20%, 50V , CER		R....38	57.11.3681	680	\$, 0.4W	MP
C....38	59.99.1021	47 n	20%, 50V , CER		R....39	57.11.3681	680	\$, 0.4W	MP
C....39	59.99.1021	47 n	20%, 50V , CER		R....40	57.11.3681	680	\$, 0.4W	MP
C....40	59.99.1021	47 n	20%, 50V , CER		R....41	57.11.3681	680	\$, 0.4W	MP
C....42	59.99.1021	47 n	20%, 50V , CER		R....43	57.11.3681	680	\$, 0.4W	MP
C....43	59.39.1021	47 n	20%, 50V , CER		R....44	57.11.3681	680	\$, 0.4W	MP
C....50	59.32.1220	22 p	5%, 25V , CSR		R....45	57.11.3681	680	\$, 0.4W	MP
C....51	59.32.1220	22 p	5%, 25V , CER		R....46	57.11.3681	680	\$, 0.4W	MP
C....52	59.32.1220	22 p	5%, 25V , CER		R....47	57.11.3681	680	\$, 0.4W	MP
IC....1	56.16.0131	PCB80C652	8-Bit Microcontroller	Philips	R....48	57.11.3681	680	\$, 0.4W	MP
IC....2	50.17.1573	74HC573	Octal D-Type Latch	Any	R....49	57.11.3681	680	\$, 0.4W	MP
IC....3	50.17.1245	74HC245	Octal Bus Transceiver	Any	R....50	57.11.3681	680	\$, 0.4W	MP
IC....4	50.17.1573	74HC573	Octal D-Type Latch	Any	R....51	57.11.3681	680	\$, 0.4W	MP
IC....5	50.17.1573	74HC573	Octal D-Type Latch	Any	R....52	57.11.3681	680	\$, 0.4W	MP
IC....6	50.17.1541	74HC541	Octal Bus Buffer	Any	R....53	57.11.3681	680	\$, 0.4W	MP
IC....7	50.17.1541	74HC541	Octal Bus Buffer	Any	R....54	57.11.3681	680	\$, 0.4W	MP
IC....8	50.17.1014	74HC14	Hex Schmitttrigger Inv.	Any	R....55	57.11.3681	680	\$, 0.4W	MP
IC....9	1.750.018.20	27CS12-2	5 Display EPROM 50.14.2002	REVOX	R....56	57.11.3681	680	\$, 0.4W	MP
IC...10	50.17.1393	74HC393	Dual Binary Counter	Any	R....57	57.11.3681	680	\$, 0.4W	MP
IC...11	50.11.0158	HD64646F	LCD Controller	Hitachi	R....58	57.11.3681	680	\$, 0.4W	MP
IC...12	50.14.1004	HM62256-1	5 32k x 8-Bit Static RAM	Hitachi	R....59	57.11.3681	680	\$, 0.4W	MP
IC...13	50.10.0104	LM317	Adj. Voltage Regulator TO220	Any	R....60	57.11.3681	680	\$, 0.4W	MP
IC...14	50.17.1032	74HC32	Quad 2-Input OR Gate	Any	R....61	57.11.3681	680	\$, 0.4W	MP
IC...15	50.17.1008	74HC08	Quad 2-Input AND Gate	Any	R....62	57.11.3681	680	\$, 0.4W	MP
J....1	54.99.0310	12 P	FFC/FPC Connector Pitch=1.25 MOLEX		R....63	57.11.3681	680	\$, 0.4W	MP
L....1	62.02.4221	220 uH	10% Choke Coil 270 mA		R....64	57.11.3681	680	\$, 0.4W	MP
L....2	62.02.3100	10 uH	10% Choke Coil 290 mA		R....65	57.11.3681	680	\$, 0.4W	MP
MP....1	1.750.017.12	1 pcs	Control PCB	REVOX	R....66	57.11.3681	680	\$, 0.4W	MP
MP....2	64.03.0506	2 pcs	Flex Jumper 101.6mm Pitch=2.54 Ansley		R....67	57.11.3681	680	\$, 0.4W	MP
MP....3	58.99.0146	1 pcs	Shaft for RA1,4322 046 20092	Philips	R....68	57.11.3681	680	\$, 0.4W	MP
MP....4	53.99.0999	28 pcs	Socket Pin Type H3153-T6	Harwin	R....69	57.11.3681	680	\$, 0.4W	MP
MP....5	53.03.0228	3 pcs	Socket Pin Wire Wrap		R....70	57.11.3681	680	\$, 0.4W	MP
MP....6	1.750.017.01	1 pcs	Mechanical Part		R....71	57.11.3681	680	\$, 0.4W	MP
Q....1	50.03.0551	BC639	Transistor NPN Uce>80V 2SC2655		R....72	57.11.3681	680	\$, 0.4W	MP
Q....2	50.03.0551	BC639	Transistor NPN Uce>80V 2SC2655		R....73	57.11.3681	680	\$, 0.4W	MP
Q....3	50.03.0436	BC547B	General Purpose NPN		R....74	57.11.3681	680	\$, 0.4W	MP
Q....4	50.03.0436	BC547B	General Purpose NPN		R....75	57.11.3681	680	\$, 0.4W	MP
Q....5	50.03.0515	BC557B	General Purpose PNP		R....76	57.11.3681	680	\$, 0.4W	MP
Q....6	50.03.0436	BC547B	General Purpose NPN		R....77	57.11.3681	680	\$, 0.4W	MP
Q....7	50.03.0436	BC547B	General Purpose NPN		R....78	57.11.3681	680	\$, 0.4W	MP
Q....8	50.03.0436	BC547B	General Purpose NPN		R....79	57.11.3681	680	\$, 0.4W	MP
Q....9	50.03.0515	BC557B	General Purpose PNP		R....80	57.11.3681	680	\$, 0.4W	MP
R....1	57.11.3103	10 k	5%, 0.4W	MP	R....81	57.11.3681	680	\$, 0.4W	MP
R....2	57.11.3472	4.7 k	5%, 0.4W	MP	R....82	57.11.3681	680	\$, 0.4W	MP
R....3	57.11.3472	4.7 k	5%, 0.4W	MP	R....83	57.11.3681	680	\$, 0.4W	MP
R....4	57.11.3432	4.3 k	5%, 0.4W	MP	R....84	57.11.3681	680	\$, 0.4W	MP
R....5	57.11.3183	18 k	5%, 0.4W	MP	R....85	57.11.3681	680	\$, 0.4W	MP
R....6	57.11.3331	330	5%, 0.4W	MP	R....86	57.11.3681	680	\$, 0.4W	MP
R....7	57.11.3392	3.9 k	5%, 0.4W	MP	R....87	57.11.3681	680	\$, 0.4W	MP
R....8	57.11.3123	12 k	5%, 0.4W	MP	R....88	57.11.3681	680	\$, 0.4W	MP
R....9	57.11.3562	5.6 k	5%, 0.4W	MP	R....89	57.11.3681	680	\$, 0.4W	MP

SI92/11/0500  
SI93/04/0501  
Manufacturer: Harwin= HARWIN PTE Ltd SingaporeEND  
14 Pin single-in-line socket carriers:  
Type D01-9901476  
2 pcs per Board  
with socket pins H3153-T6

Philips



Werkstoff		Güte:	Qualit.	Abmessung	Anderung
Norm-Nr.:					
DIN-Bet.:					
Zugelassige Unterlagen:					
PL		Fremdmaschinenanz.:		Maßstab:	
		+		5 : 892	5 : 2
Ersatz für:				Datum:	
				Ges.	Ges.
				Index:	
		Ersetzt durch:		Kopie für:	
STUDIER		Beschriftung:			
REGENSDORF					
ZURICH					
Nummer: 1.750.019-00					
KEYBOARD UNIT					

**I.750.019.81 KEYBOARD**

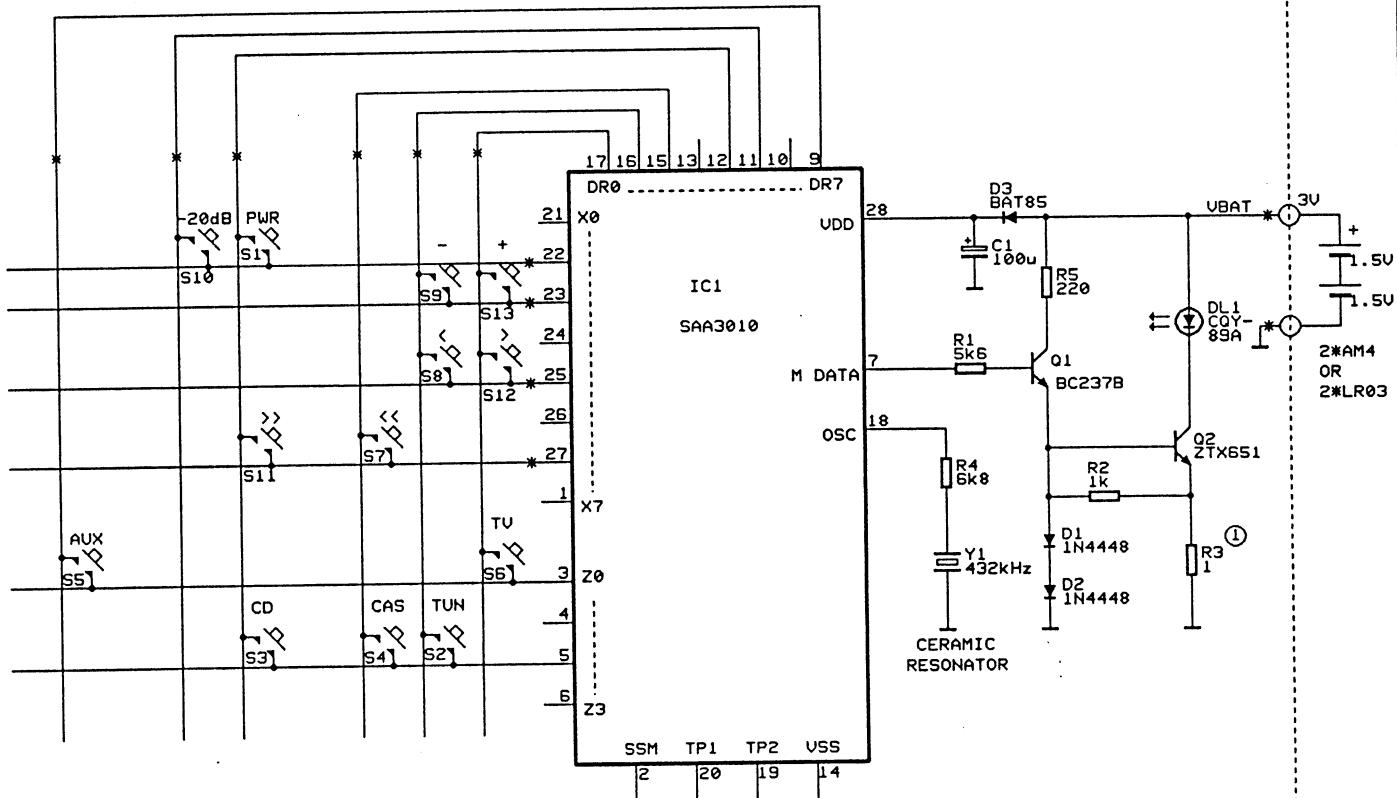
Ad ..Pos.. ...Ref.No... Description .....

C.....1	59.32.1101	100 p	10% , 25V , CER	
C.....2	59.32.1101	100 p	10% , 25V , CER	
MP....1	1.750.019.12	1 pcs	Keyboard PCB	REVOX
MP....2	64.03.0507	1 pcs	Flex Jumper 50.8mm Pitch 2.54	Ansley
P....1	54.13.0026	9 Pin	DSub Plug for PCB Mount.	ANY
RA....1	55.12.1301		Inc. Encoder EC15B40 4LA21512	Alps
S.....1	55.15.1002	Switch	Tact Switch SKHLAB	ALPS
S.....2	55.15.1002	Switch	Tact Switch SKHLAB	ALPS
S.....3	55.15.1002	Switch	Tact Switch SKHLAB	ALPS
S.....4	55.15.1002	Switch	Tact Switch SKHLAB	ALPS
S.....5	55.15.1002	Switch	Tact Switch SKHLAB	ALPS
S.....6	55.15.1002	Switch	Tact Switch SKHLAB	ALPS
S.....7	55.15.1002	Switch	Tact Switch SKHLAB	ALPS
S.....8	55.15.1002	Switch	Tact Switch SKHLAB	ALPS

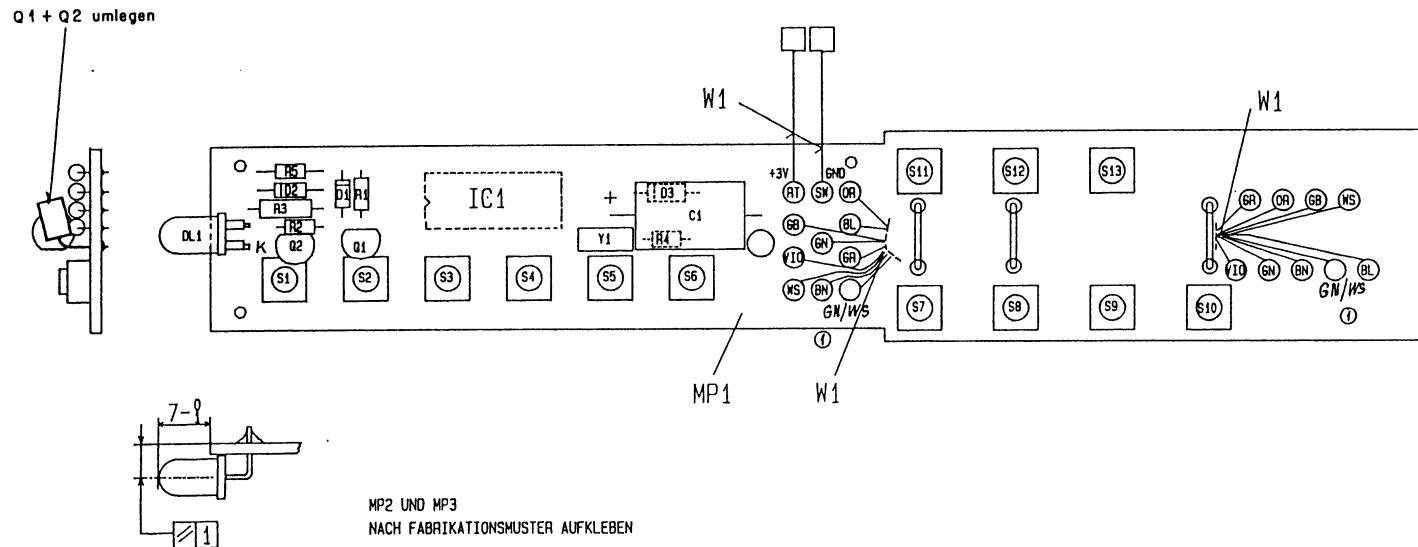
SI92/07/2700

END

\* = W1



(④ MAR-4-92 SI	(① JUN-24-92 SI	(○	(○	(○
				PAGE 1 OF 1
<b>REVOX</b>	REMOTE CONTROL D-RC			SC 1.750.012.00



Werkstoff	Norm-Nr. DIN-Nr.: Abmessung	Oberfläche Dreh:	Güte:	Auslegung
Zugehörige Unterlagen: PL	Freimassstufenz.: I	Maßstab: 2 : 1	1.7.92	(3) (2) (1)
Ersatz für:	Ersetzt durch:	Kopie für:	Datum Gez. Gepr. Ges.	(0)
STUDER REGENSDORF ZÜRICH	Bemerkung: <b>REMOTE CONTROL BOARD</b>	Nummer: <b>1.750.012-81</b>		

**I.750.012.81 REMOTE CONTROL D-RC**

Ad ...Pos... ...Ref.No... Description .....

C.....1	59.25.2101	100 u	-20° , 10V , EL	
D.....1	50.04.0125	1N4448	General purpose silicon diode	
D.....2	50.04.0125	1N4448	General purpose silicon diode	
D.....3	50.04.0127	BAT85	Shottky diode IF=0.2A	
DL....1	50.04.2137	TSIPS201	IR LED	
IC....1	50.62.0110	SAA3010	IR Remote control RC-5 S028 Philips	
MP....1	1.750.012.12	1 pcs	IR Remote control PCB D-RC	REVOX
MP....2	1.750.012.81	1 pcs	Number Label	REVOX
MP....3	43.01.0108	1 pcs	ESE Label	
Q....1	50.03.0436	BCS47B	General Purpose NPN	
Q....2	50.03.0523	ZTX651	ICM=2A hFE>70 NPN SW	Zilog
R....1	57.10.1562	5.6 k	5%, 0.25W MF	
R....2	57.10.1102	1 k	5%, 0.25W MF	
R....3	57.11.3109	1	5%, 0.4W MF	
R....4	57.10.1682	6.8 k	5%, 0.25W MF	
R....5	57.10.1221	220	5%, 0.25W MF	
S....1	55.15.0138	Switch	Tact Switch	ALPS
S....2	55.15.0138	Switch	Tact Switch	ALPS
S....3	55.15.0138	Switch	Tact Switch	ALPS
S....4	55.15.0138	Switch	Tact Switch	ALPS
S....5	55.15.0138	Switch	Tact Switch	ALPS
S....6	55.15.0138	Switch	Tact Switch	ALPS
S....7	55.15.0138	Switch	Tact Switch	ALPS
S....8	55.15.0138	Switch	Tact Switch	ALPS
S....9	55.15.0138	Switch	Tact Switch	ALPS
S....10	55.15.0138	Switch	Tact Switch	ALPS
S....11	55.15.0138	Switch	Tact Switch	ALPS
S....12	55.15.0138	Switch	Tact Switch	ALPS
S....13	55.15.0138	Switch	Tact Switch	ALPS
W....1	1.750.012.93		Wire set D-RC	
01 W....1	1.750.012.94		Cable D-RC	REVOX
Y....1	89.01.4400	432kHz	Ceramic resonator	

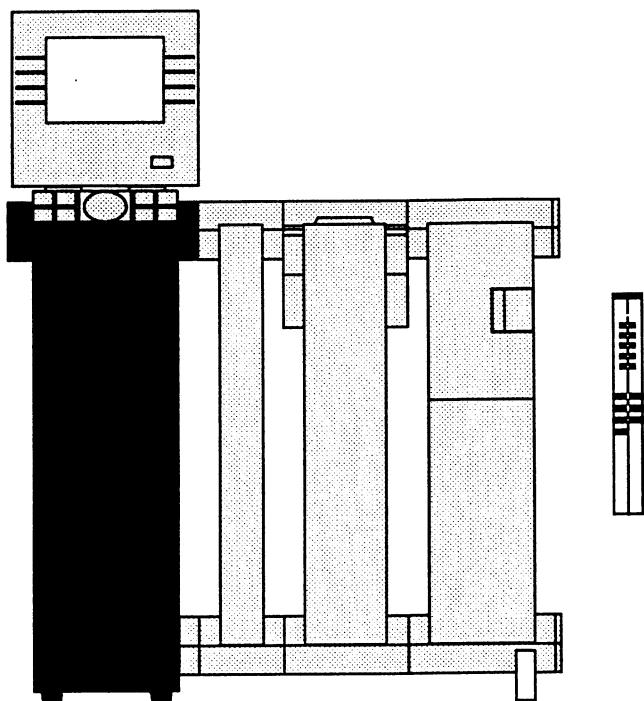
SI92/06/2400

SI92/07/2101

END

**Schemata Verstärker****Schematic diagrams amplifier****Schémas de l'amplificateur**

Block diagram	1.751.100.00
Mains transformer 230 V	1.751.200.00
Control unit	1.751.220.20
Control unit	1.751.220.21
Memory card (option)	1.751.230.20
Amplifier unit	1.751.250.00
Amplifier unit	1.751.250.81
Speaker terminal	1.751.260.00
Prisma connectors	



## 1.751.220.20 CONTROL UNIT I/3

Ad ..Pos... ...Ref.No... Description .....

C.....1	59.32.1102	1n	10%, 400V, 59.32-2		C.....81	59.06.0104	100n	10%, 63V, 59.06-1	
C.....2	59.32.1102	1n	10%, 400V, 59.32-2		C.....82	59.06.0104	100n	10%, 63V, 59.06-1	
C.....3	59.32.3103	10n	20%, 40V, 59.32-1	N750	C.....83	59.22.5220	22u	-20/+50%, 25V, 59.22-Q	
C.....4	59.34.4101	100p	5%, 63V, 59.34-2,	N750	C.....84	59.22.5220	22u	-20/+50%, 25V, 59.22-Q	
C.....5	59.32.3103	10n	20%, 40V, 59.32-1		C.....85	59.06.0104	100n	10%, 63V, 59.06-1	
C.....6	59.34.4101	100p	5%, 63V, 59.34-2,	N750	C.....86	59.22.8101	100u	-20/+50%, 63V, 59.22-E	
C.....7	59.32.3103	10n	20%, 40V, 59.32-1		C.....87	59.22.5220	22u	-20/+50%, 25V, 59.22-Q	
C.....8	59.06.0104	100n	10%, 63V, 59.06-1		C.....88	59.22.5220	22u	-20/+50%, 25V, 59.22-Q	
C.....9	59.34.4101	100p	5%, 63V, 59.34-2,	N750	C.....89	59.22.8109	1u	-20/+50%, 50V, 59.22-Q	
C.....10	59.34.4101	100p	5%, 63V, 59.34-2,	N750	C.....90	59.22.8101	100u	-20/+50%, 63V, 59.22-E	
C.....11	59.34.4101	100p	5%, 63V, 59.34-2,	N750	C.....91	59.22.8109	1u	-20/+50%, 50V, 59.22-Q	
C.....12	59.06.0104	100n	10%, 63V, 59.06-1		C.....92	59.06.0104	100n	10%, 63V, 59.06-1	
C.....13	59.32.3103	10n	20%, 40V, 59.32-1		C.....93	59.14.3104	100n	20%, 300V, 59.14-10*19	
C.....14	59.05.2681	680p	2.5%, 630V, 59.05-1		02 C.....94	59.22.6100	10u	-20/+50%, 35V, 59.22-Q	
C.....15	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....1	50.04.0133	BAV20	D035,RECTIFIER	
C.....16	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....2	50.04.0133	BAV20	D035,RECTIFIER	
C.....17	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....3	50.04.0125	1N4448	D035,RECTIFIER	
C.....18	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....4	50.04.0125	1N4448	D035,RECTIFIER	
C.....19	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....5	50.04.0133	BAV20	D035,RECTIFIER	
C.....20	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....6	50.04.0105	1N4004	D041,RECTIFIER	
C.....21	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....7	50.04.0133	BAV20	D035,RECTIFIER	
C.....22	59.32.1102	1n	10%, 400V, 59.32-2		D.....8	50.04.0507	1N5402	D0201,RECTIFIER	
C.....23	59.22.3101	100u	-20/+50%, 10V, 59.22-R		D.....9	50.04.0507	1N5402	D0201,RECTIFIER	
C.....24	59.06.0104	100n	10%, 63V, 59.06-1		D.....10	50.04.0133	BAV20	D035,RECTIFIER	
C.....25	59.32.1102	1n	10%, 400V, 59.32-2		D.....11	50.04.0125	1N4448	D035,RECTIFIER	
C.....26	59.06.0104	100n	10%, 63V, 59.06-1		D.....12	50.04.0105	1N4004	D041,RECTIFIER	
C.....27	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....13	50.04.0105	1N4004	D041,RECTIFIER	
C.....28	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....14	50.04.0105	1N4004	D041,RECTIFIER	
C.....29	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....15	50.04.0105	1N4004	D041,RECTIFIER	
C.....30	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....16	50.04.0105	1N4004	D041,RECTIFIER	
C.....31	59.06.0102	1n	10%, 63V, 59.06-1		D.....17	50.04.0105	1N4004	D041,RECTIFIER	
C.....32	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....18	50.04.0105	1N4004	D041,RECTIFIER	
C.....33	59.06.0104	100n	10%, 63V, 59.06-1		D.....19	50.04.0105	1N4004	D041,RECTIFIER	
C.....34	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....20	50.04.0105	1N4004	D041,RECTIFIER	
C.....35	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....21	50.04.0105	1N4004	D041,RECTIFIER	
C....36	59.22.3221	220u	-20/+50%, 10V, 59.22-A		DL....1	50.04.2119	MV57124A	RED DIP, 1.0mCd	
C....37	59.22.3221	220u	-20/+50%, 10V, 59.22-A		DL....1	00.00.0000	not used		
C....38	59.06.0104	100n	10%, 63V, 59.06-1		DL....2	50.04.2852	MU02-4201	QUAD-LED, YELLOW, STANLEY	
C....39	59.22.2221	220u	-20/+50%, 6.3V, 59.22-A		DV....1	50.04.1101	3.9V	5\$, 0.5W, D035, ZENER	
C....40	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		DV....2	50.04.1101	3.9V	5\$, 0.5W, D035, ZENER	
C....41	59.22.3221	220u	-20/+50%, 10V, 59.22-A		DV....3	50.04.1102	6.8V	5\$, 0.5W, D035, ZENER	
C....42	59.22.3221	220u	-20/+50%, 10V, 59.22-A		DV....4	50.04.1102	6.8V	5\$, 0.5W, D035, ZENER	
C....43	59.22.3101	100u	-20/+50%, 10V, 59.22-R		DV....5	50.04.1112	5.1V	5\$, 0.5W, D035, ZENER	
C....44	59.22.3470	47u	-20/+50%, 10V, 59.22-Q		DV....6	50.04.1228	33V	5\$, 1.3W, D041, ZENER	
C....45	59.22.3470	47u	-20/+50%, 10V, 59.22-Q		DV....7	50.04.1127	33V	5\$, 0.5W, D035, ZENER	
C....46	59.28.2222	2200u	-20/+50%, 16V, 59.22-M		DV....8	50.04.1126	62V	5\$, 1.3W, D041, ZENER	
C....47	59.34.4151	150p	5%, 63V, 59.34-2,	N750	DV....9	50.04.1230	39V	5\$, 1.3W, D041, ZENER	
C....48	59.34.4271	270p	5%, 63V, 59.34-4,	N750	DZ....1	70.01.0216	0.8A	140V,BRIDGE RECT. GEN.INSTR. DF 02M	
C....49	59.22.2221	220u	-20/+50%, 6.3V, 59.22-A		DZ....2	70.01.0216	0.8A	140V,BRIDGE RECT. GEN.INSTR. DF 02M	
C....50	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		DZ....3	70.01.0216	0.8A	140V,BRIDGE RECT. GEN.INSTR. DF 02M	
C....51	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		DZ....4	70.01.0227	6A	280V,BRIDGE RECT. GEN.INSTR. KBPC6-04	
C....52	59.34.4151	150p	5%, 63V, 59.34-2,	N750	F.....1	51.01.0122	T 3.15A	FUSE 3.15 Amp. 5 * 20 mm SLOW BLOW	
C....53	59.34.4271	270p	5%, 63V, 59.34-4,	N750	IC....1	50.07.0066	4066	DIP14,QUAD ANALOG SWITCH	
C....54	59.06.0104	100n	10%, 63V, 59.06-1		IC....2	50.14.2002	27C512	DIP28,64K * 8 EPROM (SW 1.751.221.20)	
C....55	59.22.3101	100u	-20/+50%, 10V, 59.22-R		IC....3	50.10.0104	LM317	TO220, VOLTAGE REG.	
C....56	59.22.6472	4700u	-20/+50%, 40V, 59.22-S		IC....4	50.14.2102	ST24C02	DIP08,2KBIT SERIAL CMOS EEPROM,	
C....57	59.06.0104	100n	10%, 63V, 59.06-1		IC....5	50.14.2104	ST24C04	DIP08,4KBIT SERIAL CMOS EEPROM,	
C....58	59.06.0104	100n	10%, 63V, 59.06-1		IC....6	50.09.0107	RC4559N	DIP08,DUAL LINEAR OPAMP	
C....59	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		IC....7	50.09.0107	RC4559N	DIP08,DUAL LINEAR OPAMP	
C....60	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		IC....8	50.17.1573	74HC573	DIP20,OCTAL D-TYP LATCH	
C....61	59.34.4151	150p	5%, 63V, 59.34-2,	N750	IC....9	50.09.0107	RC4559N	DIP08,DUAL LINEAR OPAMP	
C....62	59.06.0104	100n	10%, 63V, 59.06-1		IC....10	50.09.0117	MC33078P	DIP08,DUAL LINEAR OPAMP, MOTOROLA	
C....63	59.34.4151	150p	5%, 63V, 59.34-2,	N750	IC....11	50.11.0122	TL7705	DIP8 ,RESET GENERATOR	
C....64	59.22.6472	4700u	-20/+50%, 40V, 59.22-S		IC....12	50.10.0105	LM337	TO220-9,SER. REG.	
C....65	59.06.0104	100n	10%, 63V, 59.06-1		IC....13	50.10.0104	LM317	TO220,VOLTAGE REG.	
C....66	59.34.4151	150p	5%, 63V, 59.34-2,	N750	IC....14	50.10.0109	LM337L	TO92 ,3-TERMINAL ADJ. REGULATOR	
C....67	59.22.5101	100u	-20/+50%, 25V, 59.22-A		IC....15	50.17.4066	74HC4066	DIP14,QUAD ANALOG SWITCH HCMOS	
C....68	59.34.2330	33p	5%, 63V, 59.34-1,	N150	IC....16	50.63.0005	80C552	PLCC68,PCB80C552-4WP, PHILIPS	
C....69	59.34.2330	33p	5%, 63V, 59.34-1,	N150	J.....1	54.99.0204	9-P	ANG., FEM., LOW COST, D-TYPE	
C....70	59.06.0104	100n	10%, 63V, 59.06-1		J.....2	54.21.2007	2*2P	CINCH CONN. GOLD WAKA 04 P 0483-50	
C....71	59.06.0104	100n	10%, 63V, 59.06-1		J.....3	54.14.5540	20-P	FEM. MICRO-MATCH, AMP 2-215 079-0	
C....72	59.06.0104	100n	10%, 63V, 59.06-1		J.....4	54.14.5508	8-P	FEM. MICRO-MATCH, AMP 2-215 079-8	
C....73	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		J.....5	54.10.0032	2*16P	FEM. EDGE CONNECT. AMP 1-215 230-6	
C....74	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		J.....6	54.14.5510	10-P	FEM. MICRO-MATCH, AMP 1-215 079-0	
C....75	59.06.0104	100n	10%, 63V, 59.06-1		J.....7	54.14.5516	16-P	FEM. MICRO-MATCH, AMP 1-215 079-6	
C....76	59.06.0104	100n	10%, 63V, 59.06-1		J.....8	54.25.0005	5-P	FEM. 12 Amp. VERT., AMP 826 849-3	
C....77	59.22.6100	10u	-20/+50%, 35V, 59.22-Q		J.....9	54.25.0008	8-P	FEM. 12 Amp. VERT., AMP 826 851-3	
C....78	59.06.0104	100n	10%, 63V, 59.06-1		01 J.....10	54.14.5520	20-P	FEM. MICRO-MATCH, AMP 2-215 079-0	
C....79	59.06.0104	100n	10%, 63V, 59.06-1		J.....11	54.14.5540	20-P	FEM. MICRO-MATCH, AMP 2-215 079-0	
C....80	59.34.4151	150p	5%, 63V, 59.34-2,	N750	L.....1	62.01.0115	110MHz	HF-CHOKE PHILIPS 4312 020 36700	
					L.....2	62.02.3220	22uH	10%.1.4 OHM, TDK EL 0606 SKI-220K	
					L.....3	62.01.0115	110MHz	HF-CHOKE PHILIPS 4312 020 36700	

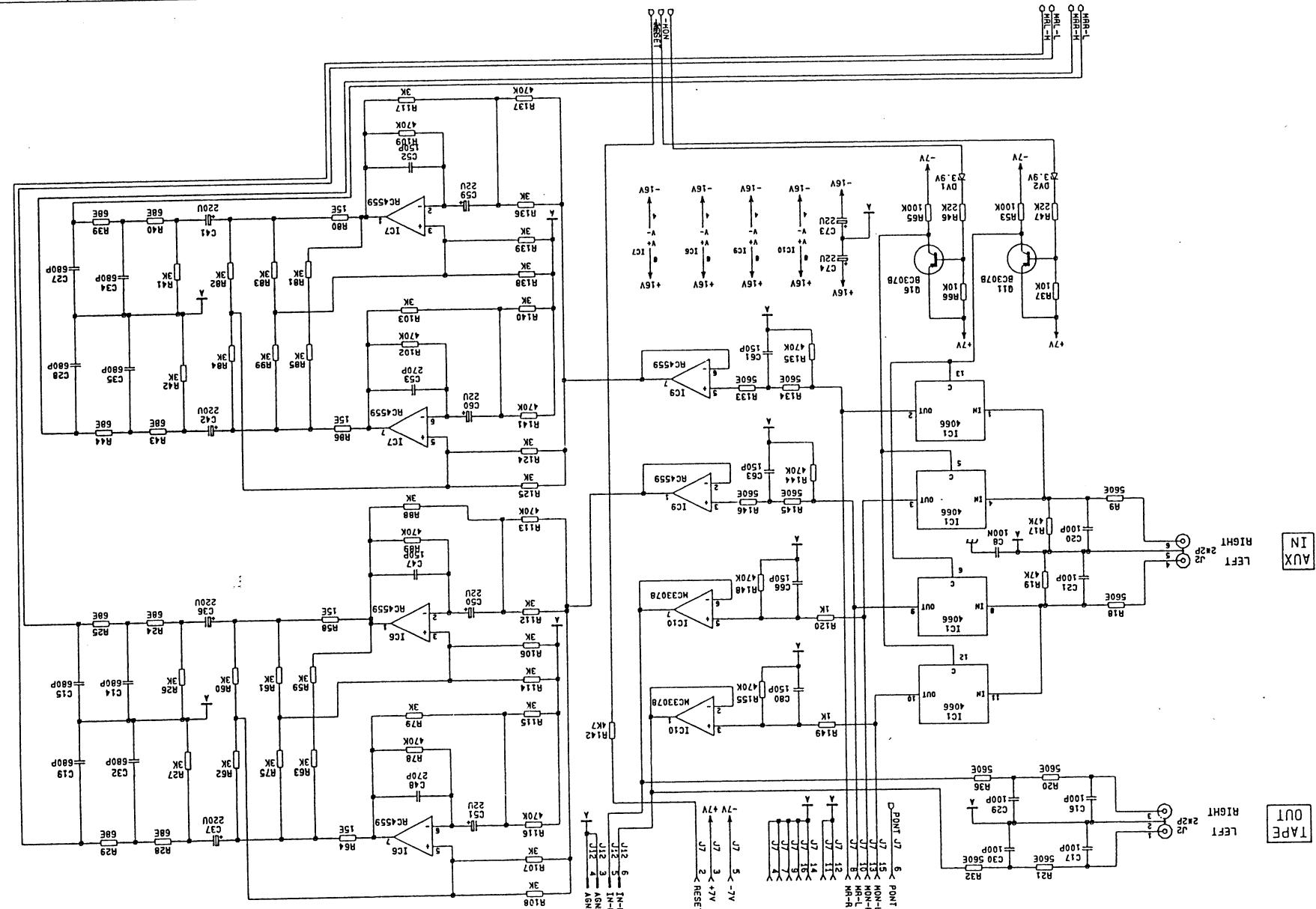
## 1.751.220.20 CONTROL UNIT 2/3

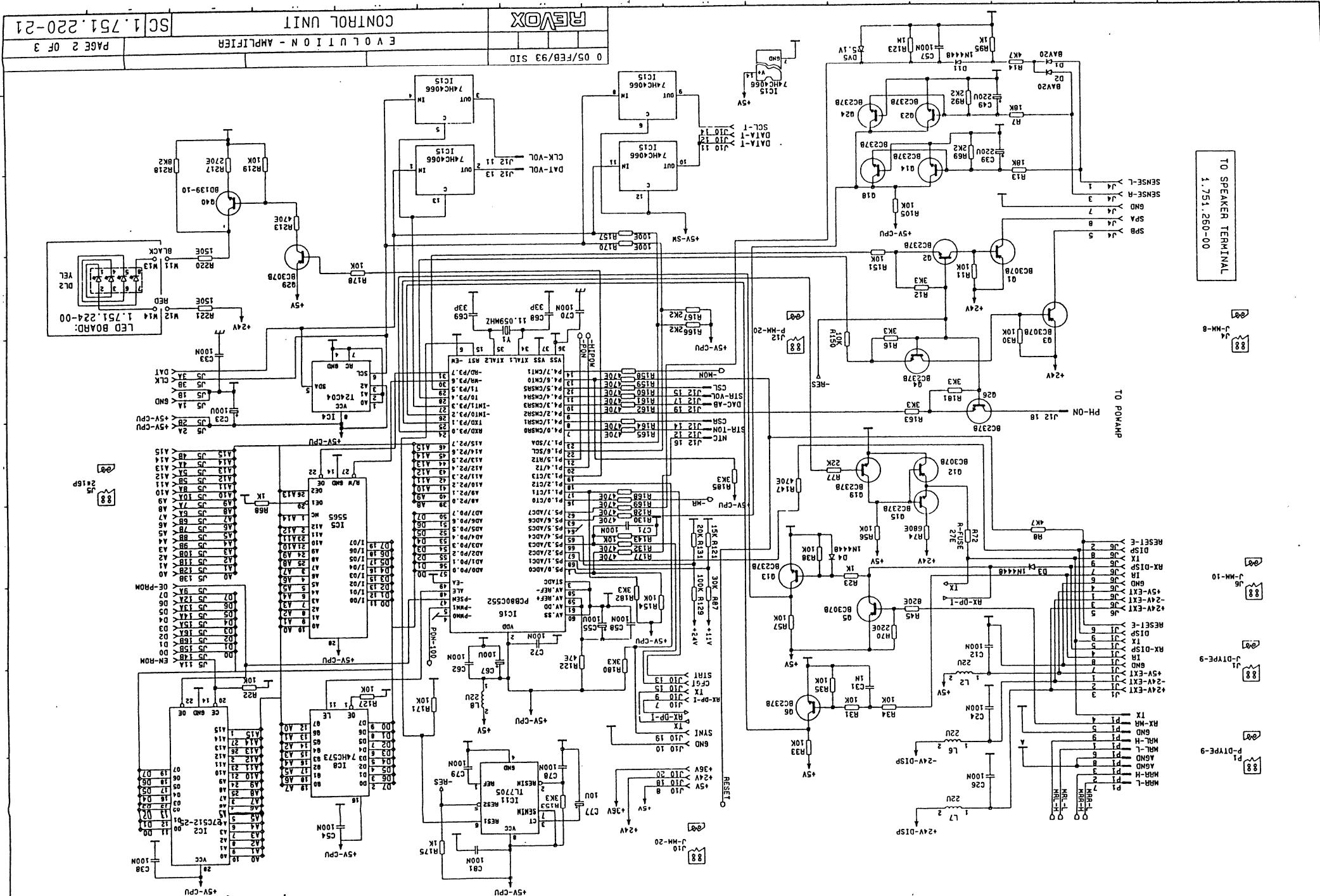
L.....4	62.01.0115	110MHz	HF-CHOKE PHILIPS	4312 020 36700	R....13	57.11.3183	18k	18,	0.6W,	0207,	MF
L.....5	62.01.0115	110MHz	HF-CHOKE PHILIPS	4312 020 36700	R....14	57.11.3472	4k7	18,	0.6W,	0207,	MF
L.....6	62.02.3220	22uH	10%, 1.4 OHM,	TDK EL 0606 SKI-220K	R....15	57.11.3471	470E	18,	0.6W,	0207,	MF
L.....7	62.02.3220	22uH	10%, 1.4 OHM,	TDK EL 0606 SKI-220K	R....16	57.11.3332	3k3	18,	0.6W,	0207,	MF
L.....8	62.02.3220	22uH	10%, 1.4 OHM,	TDK EL 0606 SKI-220K	R....17	57.11.3473	47k	18,	0.6W,	0207,	MF
L.....9	62.01.0115	110MHz	HF-CHOKE PHILIPS	4312 020 36700	R....18	57.11.3561	560E	18,	0.6W,	0207,	MF
L....10	62.01.0115	110MHz	HF-CHOKE PHILIPS	4312 020 36700	R....19	57.11.3473	47k	18,	0.6W,	0207,	MF
01 MP....1	21.48.0354	6 PCS	SCREW M3x6	SYSTEM TAPPIE	R....20	57.11.3561	560E	18,	0.6W,	0207,	MF
03 MP....1	21.48.0354	4 PCS	SCREW M3x6	SYSTEM TAPPIE	R....21	57.11.3561	560E	18,	0.6W,	0207,	MF
MP....2	24.16.2030	2 PCS	SERRAT LOCK WASHER M3		R....22	57.11.3103	10k	18,	0.6W,	0207,	MF
MP....3	43.01.0108	1 PCE	ESE WARNING LABEL		R....23	57.11.3102	1k	18,	0.6W,	0207,	MF
MP....4	50.20.2004	5 PCS	MOUNTING CLIP TO220		R....24	57.11.3680	68E	18,	0.6W,	0207,	MF
MP....5	50.20.3004	2 PCS	HEAT SINK TO220		R....25	57.11.3680	68E	18,	0.6W,	0207,	MF
MP....6	1.751.220.02	1 PCE	COOLING PLATE	ST	R....26	57.11.3302	3k	18,	0.6W,	0207,	MF
MP....7	1.751.220.03	1 PCE	HEAT CONDUCTOR	ST	R....27	57.11.3302	3k	18,	0.6W,	0207,	MF
MP....8	1.751.220.04	1 PCE	CONN. CABLE UPPER BUS	ST	R....28	57.11.3680	68E	18,	0.6W,	0207,	MF
MP....9	1.751.220.05	1 PCE	CONN. CABLE POWAMP CONTROL	ST	R....29	57.11.3680	68E	18,	0.6W,	0207,	MF
MP....10	1.751.220.06	1 PCE	CONN. CABLE LOWER BUS	ST	R....30	57.11.3103	10k	18,	0.6W,	0207,	MF
MP....11	1.751.220.07	1 PCE	CONN. CABLE POWAMP SUPPLY	ST	R....31	57.11.3103	10k	18,	0.6W,	0207,	MF
MP....12	1.751.220.09	1 PCE	CONN. CABLE LED	ST	R....32	57.11.3561	560E	18,	0.6W,	0207,	MF
MP....13	1.751.220.11	1 PCE	CONTROL UNIT PCB	ST	R....33	57.11.3103	10k	18,	0.6W,	0207,	MF
01 MP....13	1.751.220.12	1 PCE	CONTROL UNIT PCB	ST	R....34	57.11.3103	10k	18,	0.6W,	0207,	MF
01 MP....14	28.21.2408	2 PCS	TUBULAR RIVETS L=6mm D=3mm		R....35	57.11.3103	10k	18,	0.6W,	0207,	MF
P.....1	54.99.0246	9-P	ANG.,	MALE, LOW COST, D-TYPE	R....36	57.11.3103	10k	18,	0.6W,	0207,	MF
P.....4	54.14.5590	20-P	MALE,MICRO-MATCH,	AMP 2-215 464-0	R....37	57.11.3680	68E	18,	0.6W,	0207,	MF
P.....5	54.14.5590	20-P	MALE,MICRO-MATCH,	AMP 2-215 464-0	R....38	57.11.3680	68E	18,	0.6W,	0207,	MF
P.....6	54.02.0328	1-P	ANG.,PLATPIN 2.8 *	0.8 mm HORIZ.	R....39	57.11.3680	68E	18,	0.6W,	0207,	MF
P.....7	54.02.0328	1-P	ANG.,PLATPIN 2.8 *	0.8 mm HORIZ.	R....40	57.11.3680	68E	18,	0.6W,	0207,	MF
P.....8	54.02.0328	1-P	ANG.,PLATPIN 2.8 *	0.8 mm HORIZ.	R....41	57.11.3302	3k	18,	0.6W,	0207,	MF
P.....9	54.02.0328	1-P	ANG.,PLATPIN 2.8 *	0.8 mm HORIZ.	R....42	57.11.3302	3k	18,	0.6W,	0207,	MF
Q....1	50.03.0515	BC307B	PNP,	TO92-1	R....43	57.11.3680	68E	18,	0.6W,	0207,	MF
Q....2	50.03.0436	BC237B	NPN,	TO92-1	R....44	57.11.3680	68E	18,	0.6W,	0207,	MF
Q....3	50.03.0515	BC307B	PNP,	TO92-1	R....45	57.11.3821	820E	18,	0.6W,	0207,	MF
Q....4	50.03.0436	BC237B	NPN,	TO92-1	R....46	57.11.3223	22k	18,	0.6W,	0207,	MF
Q....5	50.03.0515	BC307B	PNP,	TO92-1	R....47	57.11.3223	22k	18,	0.6W,	0207,	MF
Q....6	50.03.0436	BC237B	NPN,	TO92-1	R....48	57.11.3103	10k	18,	0.6W,	0207,	MF
Q....7	50.08.0100	BT151	7.5A,	400V, T0220,THYRISTOR	R....49	57.11.3103	10k	18,	0.6W,	0207,	MF
Q....8	50.08.0100	BT151	7.5A,	400V, T0220,THYRISTOR	R....50	57.11.3621	620E	18,	0.6W,	0207,	MF
Q....9	50.08.0100	BT151	7.5A,	400V, T0220,THYRISTOR	R....51	57.11.3103	10k	18,	0.6W,	0207,	MF
Q....10	50.08.0100	BT151	7.5A,	400V, T0220,THYRISTOR	R....52	57.11.3103	10k	18,	0.6W,	0207,	MF
Q....11	50.03.0515	BC307B	PNP,	TO92-1	R....53	57.11.3104	100k	18,	0.6W,	0207,	MF
Q....12	50.03.0515	BC307B	PNP,	TO92-1	R....54	57.11.3621	620E	18,	0.6W,	0207,	MF
Q....13	50.03.0436	BC237B	NPN,	TO92-1	R....55	57.11.3201	200E	18,	0.6W,	0207,	MF
Q....14	50.03.0436	BC237B	NPN,	TO92-1	R....56	57.11.3103	10k	18,	0.6W,	0207,	MF
Q....15	50.03.0436	BC237B	NPN,	TO92-1	R....57	57.11.3103	10k	18,	0.6W,	0207,	MF
Q....16	50.03.0515	BC307B	PNP,	TO92-1	R....58	57.11.3150	15E	18,	0.6W,	0207,	MF
Q....17	50.03.0627	BF423	PNP,	TO92-4	R....59	57.11.3302	3k	18,	0.6W,	0207,	MF
Q....18	50.03.0436	BC237B	NPN,	TO92-1	R....60	57.11.3302	3k	18,	0.6W,	0207,	MF
Q....19	50.03.0436	BC237B	NPN,	TO92-1	R....61	57.11.3302	3k	18,	0.6W,	0207,	MF
Q....20	50.03.0553	BF422	NPN,	TO92-4	R....62	57.11.3302	3k	18,	0.6W,	0207,	MF
Q....21	50.03.0553	BF422	NPN,	TO92-4	R....63	57.11.3302	3k	18,	0.6W,	0207,	MF
Q....22	50.03.0627	BF423	PNP,	TO92-4	R....64	57.11.3150	15E	18,	0.6W,	0207,	MF
Q....23	50.03.0436	BC237B	NPN,	TO92-1	R....65	57.11.3104	100k	18,	0.6W,	0207,	MF
Q....24	50.03.0436	BC237B	NPN,	TO92-1	R....66	57.11.3103	10k	18,	0.6W,	0207,	MF
Q....25	50.03.0351	BC327-25	PNP,	TO92-1	R....67	57.11.3621	620E	18,	0.6W,	0207,	R-FUSE
Q....26	50.03.0436	BC237B	NPN,	TO92-1	R....68	57.11.3102	1k	18,	0.6W,	0207,	MF
Q....27	50.03.0515	BC307B	PNP,	TO92-1	R....69	57.11.3222	2k2	18,	0.6W,	0207,	MF
Q....28	50.03.0491	BC546B	NPN,	TO92-1	R....70	57.11.3221	220E	18,	0.6W,	0207,	MF
Q....29	50.03.0515	BC307B	PNP,	TO92-1	R....71	57.11.3103	10k	18,	0.6W,	0207,	MF
Q....30	50.03.0515	BC307B	PNP,	TO92-1	R....72	57.19.0270	27E	58,	0.33W,	0207,	R-FUSE
Q....31	50.99.0119	2N6073B	4.0A,	400V, T0126, TRIAC	R....73	57.11.3473	47k	18,	0.6W,	0207,	MF
Q....32	50.03.0451	BD139-10	NPN,	TO126-1	R....74	57.11.3681	680E	18,	0.6W,	0207,	MF
Q....33	50.03.0452	BD140-10	PNP,	TO126-1	R....75	57.11.3302	3k	18,	0.6W,	0207,	MF
Q....34	00.00.0000	not used			R....76	57.19.0100	10E	58,	0.33W,	0207,	R-FUSE
Q....35	00.00.0000	not used			R....77	57.11.3223	22k	18,	0.6W,	0207,	MF
Q....36	00.00.0000	not used			R....78	57.11.3474	470k	18,	0.6W,	0207,	MF
Q....37	50.03.0492	BC556B	PNP,	TO92-1	R....79	57.11.3302	3k	18,	0.6W,	0207,	MF
Q....38	50.03.0491	BC546B	NPN,	TO92-1	R....80	57.11.3150	15E	18,	0.6W,	0207,	MF
Q....39	50.03.0436	BC237B	NPN,	TO92-1	R....81	57.11.3302	3k	18,	0.6W,	0207,	MF
Q....40	50.03.0451	BD139-10	PNP,	TO126-1	R....82	57.11.3302	3k	18,	0.6W,	0207,	MF
R....1	57.11.3221	220E	18,	0.6W,	R....83	57.11.3302	3k	18,	0.6W,	0207,	MF
R....2	57.11.3102	1k	18,	0.6W,	R....84	57.11.3302	3k	18,	0.6W,	0207,	MF
R....3	57.11.3471	470E	18,	0.6W,	R....85	57.11.3302	3k	18,	0.6W,	0207,	MF
R....4	57.11.3101	100E	18,	0.6W,	R....86	57.11.3150	15E	18,	0.6W,	0207,	MF
R....5	57.11.3102	1k	18,	0.6W,	R....87	57.11.3303	30k	18,	0.6W,	0207,	MF
R....6	57.11.3101	100E	18,	0.6W,	R....88	57.11.3302	3k	18,	0.6W,	0207,	MF
R....7	57.11.3183	18k	18k,	0.6W,	R....89	57.11.3474	470k	18,	0.6W,	0207,	MF
R....8	57.11.3472	4k7	18,	0.6W,	R....90	57.11.3222	2k2	18,	0.6W,	0207,	MF
R....9	57.11.3561	560E	18,	0.6W,	R....91	57.11.3103	10k	18,	0.6W,	0207,	MF
R....10	57.11.3102	1k	18,	0.6W,	R....92	57.11.3222	2k2	18,	0.6W,	0207,	MF
R....11	57.11.3103	10k	18,	0.6W,	R....93	57.92.7015	1.1A	50V	PTC	RAYCHEM	RXE 110
R....12	57.11.3332	3k3	18,	0.6W,	R....94	57.11.3222	2k2	18,	0.6W,	0207,	MF
					R....95	57.11.3102	1k0	18,	0.6W,	0207,	MF
					R....96	57.11.3222	2k2	18,	0.6W,	0207,	MF

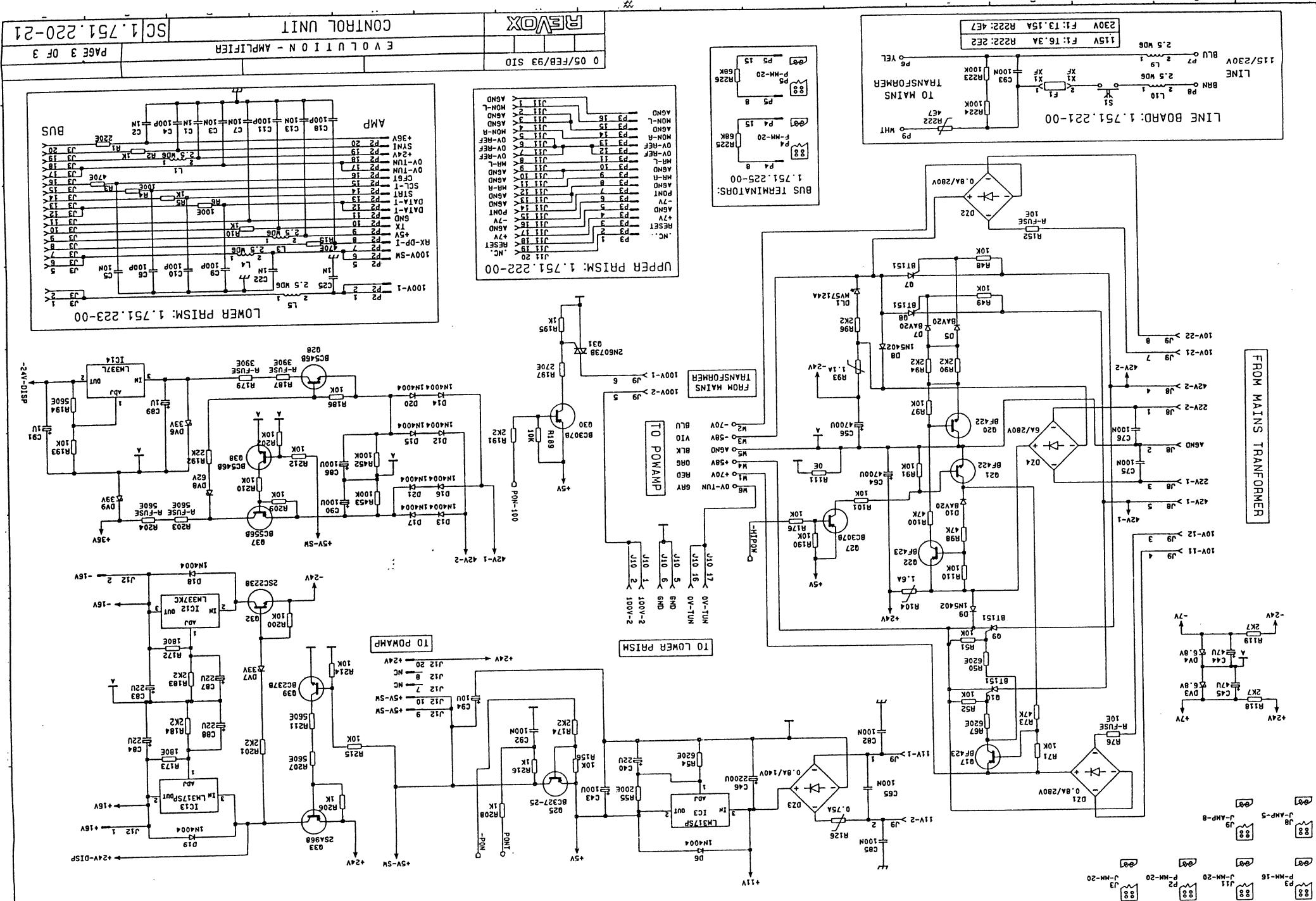
## 1.751.220.20 CONTROL UNIT 3/3

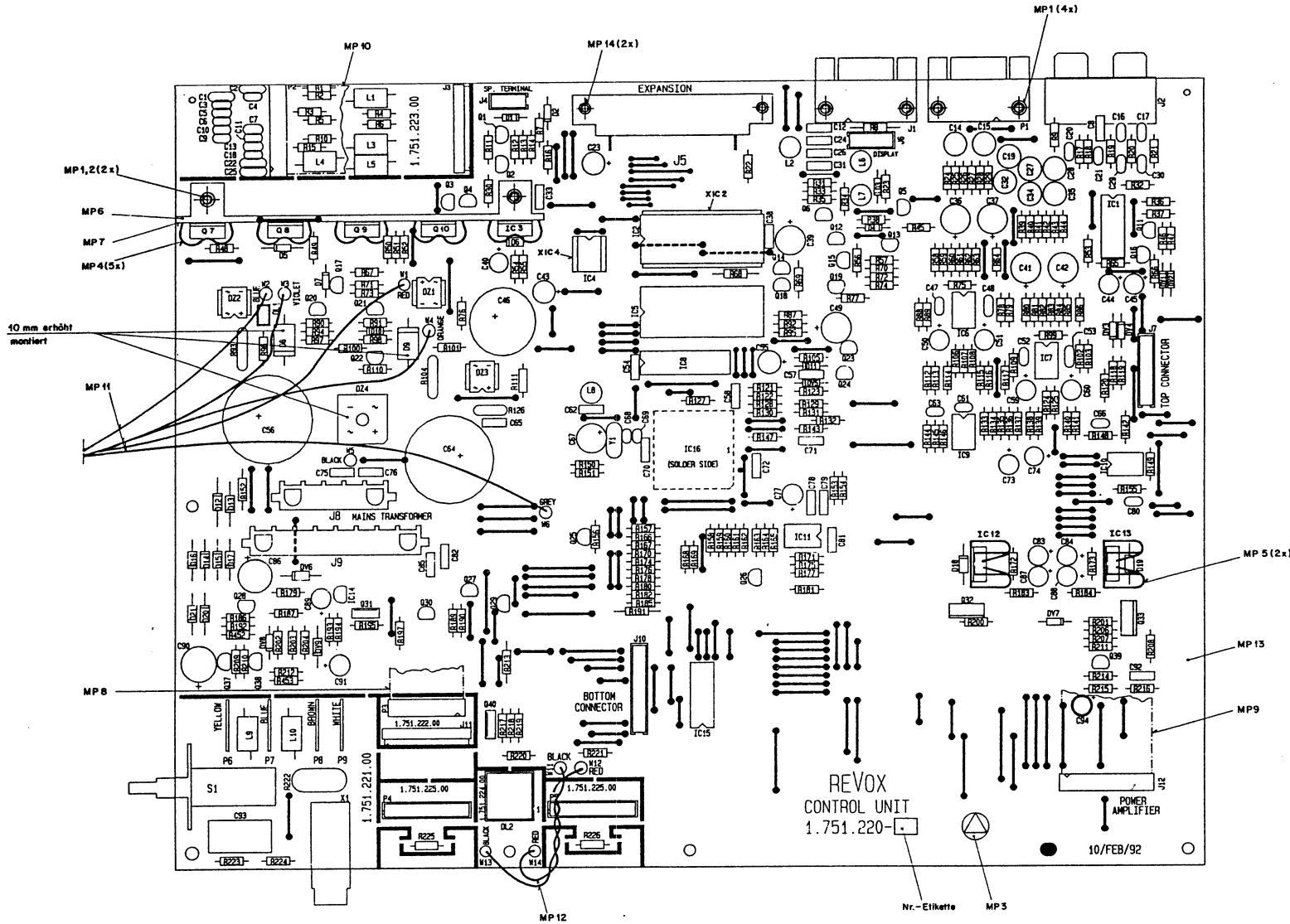
03	R....96	00.00.0000	not used				R....178	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....97	57.11.3103	10k	1%, 0.6W,	0207,	MF	R....179	57.19.0391	390E	5%, 0.33W,	0207,	R-FUSE
	R....98	57.11.3473	47k	1%, 0.6W,	0207,	MF	R....180	57.11.3332	3k3	1%, 0.6W,	0207,	MF
	R....99	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....181	57.11.3332	3k3	1%, 0.6W,	0207,	MF
	R....100	57.11.3473	47k	1%, 0.6W,	0207,	MF	R....182	57.11.3322	3k2	1%, 0.6W,	0207,	MF
	R....101	57.11.3103	10k	1%, 0.6W,	0207,	MF	R....183	57.11.3222	2k2	1%, 0.6W,	0207,	MF
	R....102	57.11.3474	470k	1%, 0.6W,	0207,	MF	R....184	57.11.3222	2k2	1%, 0.6W,	0207,	MF
	R....103	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....185	57.11.3332	3k3	1%, 0.6W,	0207,	MF
02	R....104	57.92.7016	1.6A	50V, PTC RAYCHEM RXE 160			R....186	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....105	57.11.3103	10k	1%, 0.6W,	0207,	MF	R....187	57.19.0391	390E	5%, 0.33W,	0207,	R-FUSE
	R....106	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....188	00.00.0000	not used			
	R....107	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....189	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....108	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....190	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....109	57.11.3474	470k	1%, 0.6W,	0207,	MF	R....191	57.11.3222	2k2	1%, 0.6W,	0207,	MF
	R....110	57.11.3103	10k	1%, 0.6W,	0207,	MF	R....192	57.11.3223	22k	1%, 0.6W,	0207,	MF
	R....111	57.11.3300	0E	1%, 0-OHM RES. (WIRE BRIDGE)			R....193	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....112	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....194	57.11.3561	560E	1%, 0.6W,	0207,	MF
	R....113	57.11.3474	470k	1%, 0.6W,	0207,	MF	R....195	57.11.3102	1k	1%, 0.6W,	0207,	MF
	R....114	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....196	00.00.0000	not used			
	R....115	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....197	57.11.3271	270E	1%, 0.6W,	0207,	MF
	R....116	57.11.3474	470k	1%, 0.6W,	0207,	MF	R....198	00.00.0000	not used			
	R....117	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....199	00.00.0000	not used			
	R....118	57.11.3272	2k7	1%, 0.6W,	0207,	MF	R....200	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....119	57.11.3272	2k7	1%, 0.6W,	0207,	MF	R....201	57.11.3222	2k2	1%, 0.6W,	0207,	MF
	R....120	57.11.3102	1k	1%, 0.6W,	0207,	MF	R....202	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....121	57.11.3153	15k	1%, 0.6W,	0207,	MF	R....203	57.19.0561	560E	5%, 0.33W,	0207,	R-FUSE
	R....122	57.11.3470	47E	1%, 0.6W,	0207,	MF	R....204	57.19.0561	560E	5%, 0.33W,	0207,	R-FUSE
	R....123	57.11.3105	1M	1%, 0.6W,	0207,	MF	R....205	00.00.0000	not used			
	R....124	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....206	57.11.3102	1k	1%, 0.6W,	0207,	MF
	R....125	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....207	57.11.3561	560E	1%, 0.6W,	0207,	MF
	R....126	57.92.7020	0.75A	60V, PTC RAYCHEM RXE 075			R....208	57.11.3102	1k	1%, 0.6W,	0207,	MF
	R....127	57.11.3103	10k	1%, 0.6W,	0207,	MF	R....209	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....128	57.11.3471	470E	1%, 0.6W,	0207,	MF	R....210	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....129	57.11.3104	100k	1%, 0.6W,	0207,	MF	R....211	57.11.3561	560E	1%, 0.6W,	0207,	MF
	R....130	57.11.3471	470E	1%, 0.6W,	0207,	MF	R....212	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....131	57.11.3203	20k	1%, 0.6W,	0207,	MF	R....213	57.11.3471	470E	1%, 0.6W,	0207,	MF
	R....132	57.11.3471	470E	1%, 0.6W,	0207,	MF	R....214	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....133	57.11.3561	560E	1%, 0.6W,	0207,	MF	R....215	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....134	57.11.3561	560E	1%, 0.6W,	0207,	MF	R....216	57.11.3102	1k	1%, 0.6W,	0207,	MF
	R....135	57.11.3474	470k	1%, 0.6W,	0207,	MF	R....217	57.11.3271	270E	1%, 0.6W,	0207,	MF
	R....136	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....218	57.11.3822	8k2	1%, 0.6W,	0207,	MF
	R....137	57.11.3474	470k	1%, 0.6W,	0207,	MF	R....219	57.11.3103	10k	1%, 0.6W,	0207,	MF
	R....138	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....220	57.11.3151	150E	1%, 0.6W,	0207,	MF
	R....139	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....221	57.11.3151	150E	1%, 0.6W,	0207,	MF
	R....140	57.11.3302	3k	1%, 0.6W,	0207,	MF	R....222	57.93.1479	4E7	208/1.5W, NTC SIEMENS 063023-S1479-M		
	R....141	57.11.3474	470k	1%, 0.6W,	0207,	MF	R....223	57.11.3104	100k	1%, 0.6W,	0207,	MF
	R....142	57.11.3472	4k7	1%, 0.6W,	0207,	MF	R....224	57.11.3104	100k	1%, 0.6W,	0207,	MF
	R....143	57.11.3103	10k	1%, 0.6W,	0207,	MF	01 R....225	57.11.3683	68k	1%, 0.6W,	0207,	MF
	R....144	57.11.3474	470k	1%, 0.6W,	0207,	MF	01 R....226	57.11.3683	68k	1%, 0.6W,	0207,	MF
	R....145	57.11.3561	560E	1%, 0.6W,	0207,	MF	S.....1	55.03.0286	1*A MAINS SW., 4A/250V ALPS SDL 1P-A			
	R....146	57.11.3561	560E	1%, 0.6W,	0207,	MF	01 W.....1	00.00.0000	not used			
	R....147	57.11.3471	470E	1%, 0.6W,	0207,	MF	X.....1	53.03.0145	5*20 FUSE-CLIP, SCHURTER FAB 031.3551			
	R....148	57.11.3474	470k	1%, 0.6W,	0207,	MF	XIC...2	53.03.0173	DIL28 SOCKET FOR IC 2			
	R....149	57.11.3102	1k	1%, 0.6W,	0207,	MF	XIC...4	53.03.0166	DIL 8 SOCKET FOR IC 4			
	R....150	57.11.3103	10k	1%, 0.6W,	0207,	MF	Y.....1	89.01.1004	11.05MHz QUARZ PAR., HC18/43/49/U VERT.			
	R....151	57.11.3103	10k	1%, 0.6W,	0207,	MF	sid92/02/1900					
	R....152	57.19.0100	10E	5%, 0.33W,	0207,	R-FUSE	sid92/04/1301					
	R....153	57.11.3332	3k3	1%, 0.6W,	0207,	MF	sid92/07/0702					
	R....154	57.11.3103	10k	1%, 0.6W,	0207,	MF	sid93/02/1003					
	R....155	57.11.3474	470k	1%, 0.6W,	0207,	MF						
	R....156	57.11.3103	10k	1%, 0.6W,	0207,	MF	MF= Metal Film    Si= Silicon    El= Electrolytic					
	R....157	57.11.3101	100E	1%, 0.6W,	0207,	MF	Cer= Ceramic    PETP= Polyester SAL= Solid Aluminum					
	R....158	57.11.3471	470E	1%, 0.6W,	0207,	MF	PP= Polypropylen					
	R....159	57.11.3471	470E	1%, 0.6W,	0207,	MF	MANUFACTURER: ST= STUDER REVOX					
	R....160	57.11.3471	470E	1%, 0.6W,	0207,	MF	END					
	R....161	57.11.3471	470E	1%, 0.6W,	0207,	MF						
	R....162	57.11.3471	470E	1%, 0.6W,	0207,	MF						
	R....163	57.11.3332	3k3	1%, 0.6W,	0207,	MF						
	R....164	57.11.3471	470E	1%, 0.6W,	0207,	MF						
	R....165	57.11.3471	470E	1%, 0.6W,	0207,	MF						
	R....166	57.11.3222	2k2	1%, 0.6W,	0207,	MF						
	R....167	57.11.3222	2k2	1%, 0.6W,	0207,	MF						
	R....168	57.11.3471	470E	1%, 0.6W,	0207,	MF						
	R....169	57.11.3471	470E	1%, 0.6W,	0207,	MF						
	R....170	57.11.3101	100E	1%, 0.6W,	0207,	MF						
	R....171	57.11.3103	10k	1%, 0.6W,	0207,	MF						
	R....172	57.11.3181	180E	1%, 0.6W,	0207,	MF						
	R....173	57.11.3181	180E	1%, 0.6W,	0207,	MF						
	R....174	57.11.3222	2k2	1%, 0.6W,	0207,	MF						
	R....175	57.11.3102	1k	1%, 0.6W,	0207,	MF						
	R....176	57.11.3103	10k	1%, 0.6W,	0207,	MF						
	R....177	57.11.3471	470E	1%, 0.6W,	0207,	MF						

REV0X  
CONTROL UNIT  
E VOLUTIION - AMPLIFIER  
0 05/FEB/93SD  
PAGE 1 OF 3









Schild MP 3 aufgeklebt  
nach Fabrikationsmuster

Werkstatt:	Norm-Nr.:	Geute:	Ausdruck
	DIN-Bes.:		
	Abmessung:	<input checked="" type="checkbox"/> Senn.	
Zugangsrichtung:	Fremdatoleranz:	Mittelstab:	Maßstab:
SL		1,5 : 1	22.293 2 : 4
Erstellt für:	Ersetzt durch:	Kunde für:	
STUDIER REGISTRIER SCHULE		CONTROL UNIT ESE	
		1.751.220-21	

## 1.751.220.21 CONTROL UNIT I/3

Ad ...Pos... ...Ref.No... Description .....

C.....1	59.32.1102	1n	10%, 400V, 59.32-2		C.....81	59.06.0104	100n	10%, 63V, 59.06-1	
C.....2	59.32.1102	1n	10%, 400V, 59.32-2		C.....82	59.06.0104	100n	10%, 63V, 59.06-1	
C.....3	59.32.3103	10n	20%, 40V, 59.32-1	N750	C.....83	59.22.5220	22u	-20/+50%, 25V, 59.22-Q	
C.....4	59.34.4101	100p	5%, 63V, 59.34-2,	N750	C.....84	59.22.5220	22u	-20/+50%, 25V, 59.22-Q	
C.....5	59.32.3103	10n	20%, 40V, 59.32-1		C.....85	59.06.0104	100n	10%, 63V, 59.06-1	
C.....6	59.34.4101	100p	5%, 63V, 59.34-2,	N750	C.....86	59.22.8101	100u	-20/+50%, 63V, 59.22-E	
C.....7	59.32.3103	10n	20%, 40V, 59.32-1		C.....87	59.22.5220	22u	-20/+50%, 25V, 59.22-Q	
C.....8	59.06.0104	100n	10%, 63V, 59.06-1		C.....88	59.22.5220	22u	-20/+50%, 25V, 59.22-Q	
C.....9	59.34.4101	100p	5%, 63V, 59.34-2,	N750	C.....89	59.22.8109	1u	-20/+50%, 50V, 59.22-Q	
C.....10	59.34.4101	100p	5%, 63V, 59.34-2,	N750	C.....90	59.22.8101	100u	-20/+50%, 63V, 59.22-E	
C.....11	59.34.4101	100p	5%, 63V, 59.34-2,	N750	C.....91	59.22.8109	1u	-20/+50%, 50V, 59.22-Q	
C.....12	59.06.0104	100n	10%, 63V, 59.06-1		C.....92	59.06.0104	100n	10%, 63V, 59.06-1	
C.....13	59.32.3103	10n	20%, 40V, 59.32-1		C.....93	59.14.3104	100n	20%, 300V, 59.14-10*19	
C.....14	59.05.2681	680p	2.5%, 630V, 59.05-1		C.....94	59.22.6100	10u	-20/+50%, 35V, 59.22-Q	
C.....15	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....1	50.04.0133	BAV20	D035,RECTIFIER	
C.....16	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....2	50.04.0133	BAV20	D035,RECTIFIER	
C.....17	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....3	50.04.0125	1N4448	D035,RECTIFIER	
C.....18	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....4	50.04.0125	1N4448	D035,RECTIFIER	
C.....19	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....5	50.04.0133	BAV20	D035,RECTIFIER	
C.....20	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....6	50.04.0105	1N4004	D041,RECTIFIER	
C.....21	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....7	50.04.0133	BAV20	D035,RECTIFIER	
C.....22	59.32.1102	1n	10%, 400V, 59.32-2		D.....8	50.04.0507	1N5402	D0201,RECTIFIER	
C.....23	59.22.3101	100u	-20/+50%, 10V, 59.22-R		D.....9	50.04.0507	1N5402	D0201,RECTIFIER	
C.....24	59.06.0104	100n	10%, 63V, 59.06-1		D.....10	50.04.0133	BAV20	D035,RECTIFIER	
C.....25	59.32.1102	1n	10%, 400V, 59.32-2		D.....11	50.04.0125	1N4448	D041,RECTIFIER	
C.....26	59.06.0104	100n	10%, 63V, 59.06-1		D.....12	50.04.0105	1N4004	D041,RECTIFIER	
C.....27	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....13	50.04.0105	1N4004	D041,RECTIFIER	
C.....28	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....14	50.04.0105	1N4004	D041,RECTIFIER	
C.....29	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....15	50.04.0105	1N4004	D041,RECTIFIER	
C.....30	59.34.4101	100p	5%, 63V, 59.34-2,	N750	D.....16	50.04.0105	1N4004	D041,RECTIFIER	
C.....31	59.06.0102	1n	10%, 63V, 59.06-1		D.....17	50.04.0105	1N4004	D041,RECTIFIER	
C.....32	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....18	50.04.0105	1N4004	D041,RECTIFIER	
C.....33	59.06.0104	100n	10%, 63V, 59.06-1		D.....19	50.04.0105	1N4004	D041,RECTIFIER	
C.....34	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....20	50.04.0105	1N4004	D041,RECTIFIER	
C.....35	59.05.2681	680p	2.5%, 630V, 59.05-1		D.....21	50.04.0105	1N4004	D041,RECTIFIER	
C.....36	59.22.3221	220u	-20/+50%, 10V, 59.22-A		DL....1	00.00.0000	not used		
C.....37	59.22.3221	220u	-20/+50%, 10V, 59.22-A		DL....2	50.04.2852	MU02-4201	QUAD-LED, YELLOW, STANLEY	
C.....38	59.06.0104	100n	10%, 63V, 59.06-1		DV....1	50.04.1101	3.9V	5\$, 0.5W, D035, ZENER	
C.....39	59.22.2221	220u	-20/+50%, 6.3V, 59.22-A		DV....2	50.04.1101	3.9V	5\$, 0.5W, D035, ZENER	
C.....40	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		DV....3	50.04.1102	6.8V	5\$, 0.5W, D035, ZENER	
C.....41	59.22.3221	220u	-20/+50%, 10V, 59.22-A		DV....4	50.04.1102	6.8V	5\$, 0.5W, D035, ZENER	
C.....42	59.22.3221	220u	-20/+50%, 10V, 59.22-A		DV....5	50.04.1112	5.1V	5\$, 0.5W, D035, ZENER	
C.....43	59.22.2101	100u	-20/+50%, 10V, 59.22-R		DV....6	50.04.1228	33V	5\$, 1.3W, D041, ZENER	
C.....44	59.22.3470	47u	-20/+50%, 10V, 59.22-Q		DV....7	50.04.1127	33V	5\$, 0.5W, D035, ZENER	
C.....45	59.22.3470	47u	-20/+50%, 10V, 59.22-Q		DV....8	50.04.1126	62V	5\$, 0.5W, D035, ZENER	
C.....46	59.28.2222	2200u	-20/+50%, 16V, 59.22-M		DV....9	50.04.1230	39V	5\$, 1.3W, D041, ZENER	
C.....47	59.34.4151	150p	5%, 63V, 59.34-2,	N750	DZ....1	70.01.0216	0.8A	140V, BRIDGE RECT. GEN. INSTR. DF 02M	
C.....48	59.34.4271	270p	5%, 63V, 59.34-4,	N750	DZ....2	70.01.0216	0.8A	140V, BRIDGE RECT. GEN. INSTR. DF 02M	
C.....49	59.22.2221	220u	-20/+50%, 6.3V, 59.22-A		DZ....3	70.01.0216	0.8A	140V, BRIDGE RECT. GEN. INSTR. DF 02M	
C.....50	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		DZ....4	70.01.0227	6A	280V, BRIDGE RECT. GEN. INSTR. KPC6-04	
C.....51	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		F....1	51.01.0122	T 3.15A	FUSE 3.15 Amp. 5 * 20 mm SLOW BLOW	
C.....52	59.34.4151	150p	5%, 63V, 59.34-2,	N750	IC....1	50.07.0066	4066	DIP14, QUAD ANALOG SWITCH	
C.....53	59.34.4271	270p	5%, 63V, 59.34-4,	N750	IC....2	50.14.2002	27C512	DIP28, 64K * 8 EPROM (SW 1.751.221.24)	
C.....54	59.06.0104	100n	10%, 63V, 59.06-1		IC....3	50.10.0104	LM317	TO220, VOLTAGE REG.	
C.....55	59.22.3101	100u	-20/+50%, 10V, 59.22-R		IC....4	50.14.2104	ST24C04	DIP08, 4KBIT SERIAL CMOS EEPROM,	
C.....56	59.22.6472	4700u	-20/+50%, 40V, 59.22-S		IC....5	50.14.0133	6264	DIP28, 8K*8 CMOS S-RAM 150NS	
C.....57	59.06.0104	100n	10%, 63V, 59.06-1		IC....6	50.09.0107	RC4559N	DIP08, DUAL LINEAR OPAMP	
C.....58	59.06.0104	100n	10%, 63V, 59.06-1		IC....7	50.09.0107	RC4559N	DIP08, DUAL LINEAR OPAMP	
C.....59	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		IC....8	50.17.1573	74HC573	DIP20, OCTAL D-TYP LATCH	
C.....60	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		IC....9	50.09.0107	RC4559N	DIP08, DUAL LINEAR OPAMP	
C.....61	59.34.4151	150p	5%, 63V, 59.34-2,	N750	IC....10	50.09.0117	MC33078P	DIP08, DUAL LINEAR OPAMP, MOTOROLA	
C.....62	59.06.0104	100n	10%, 63V, 59.06-1		IC....11	50.11.0122	TL7705	DIP8 ,RESET GENERATOR	
C.....63	59.34.4151	150p	5%, 63V, 59.34-2,	N750	IC....12	50.10.0105	LM337	TO220-9,SER. REG.	
C.....64	59.22.6472	4700u	-20/+50%, 40V, 59.22-S		IC....13	50.10.0104	LM317	TO220,VOLTAGE REG.	
C.....65	59.06.0194	100n	10%, 63V, 59.06-1		IC....14	50.10.0109	LM337L	TO92 ,3-TERMINAL ADJ. REGULATOR	
C.....66	59.34.4151	150p	5%, 63V, 59.34-2,	N750	IC....15	50.17.4066	74HC4066	DIP14, QUAD ANALOG SWITCH HCMS	
C.....67	59.22.5101	100u	-20/+50%, 25V, 59.22-A		IC....16	50.63.0005	80C552	PLCC68,PCB80C552-4WP, PHILIPS	
C.....68	59.34.2370	33p	5%, 63V, 59.34-1,	N150	J....1	00.00.0000	not used		
C.....69	59.34.2370	33p	5%, 63V, 59.34-1,	N150	J....2	54.21.2007	2*2P	CINCH CONN. GOLD WAKA 04 P 0483-50	
C.....70	59.06.0104	100n	10%, 63V, 59.06-1		J....3	54.14.5540	20-P	FEM. MICRO-MATCH, AMP 2-215 079-0	
C.....71	59.06.0104	100n	10%, 63V, 59.06-1		J....4	54.14.5508	8-P	FEM. MICRO-MATCH, AMP 0-215 079-8	
C.....72	59.06.0104	100n	10%, 63V, 59.06-1		J....5	54.10.0032	2*16P	FEM. EDGE CONNECT. AMP 1-215 230-6	
C.....73	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		J....6	54.14.5510	10-P	FEM. MICRO-MATCH, AMP 1-215 079-0	
C.....74	59.22.5220	22u	-20/+50%, 25V, 59.22-Q		J....7	54.14.5516	16-P	FEM. MICRO-MATCH, AMP 1-215 079-6	
C.....75	59.06.0104	100n	10%, 63V, 59.06-1		J....8	54.25.0005	5-P	FEM. 12 Amp. VERT., AMP 826 849-3	
C.....76	59.06.0104	100n	10%, 63V, 59.06-1		J....9	54.25.0008	8-P	FEM. 12 Amp. VERT., AMP 826 851-3	
C.....77	59.22.6100	10u	-20/+50%, 35V, 59.22-Q		J....10	54.14.5520	20-P	FEM. MICRO-MATCH, AMP 2-215 079-0	
C.....78	59.06.0104	100n	10%, 63V, 59.06-1		J....11	54.14.5540	20-P	FEM. MICRO-MATCH, AMP 2-215 079-0	
C.....79	59.06.0104	100n	10%, 63V, 59.06-1		L....1	62.01.0115	110MHz	HF-CHOKE PHILIPS 4312 020 36700 10%, 1.4 OHM, TDK EL 0606 SKI-220K	
C.....80	59.34.4151	150p	5%, 63V, 59.34-2,	N750	L....2	62.02.3220	22uH	HF-CHOKE PHILIPS 4312 020 36700	
					L....3	62.01.0115	110MHz	HF-CHOKE PHILIPS 4312 020 36700	
					L....4	62.01.0115	110MHz	HF-CHOKE PHILIPS 4312 020 36700	
					L....5	62.01.0115	110MHz	HF-CHOKE PHILIPS 4312 020 36700	
					L....6	62.02.3220	22uH	10%, 1.4 OHM, TDK EL 0606 SKI-220K	

## 1.751.220.21 CONTROL UNIT 2/3

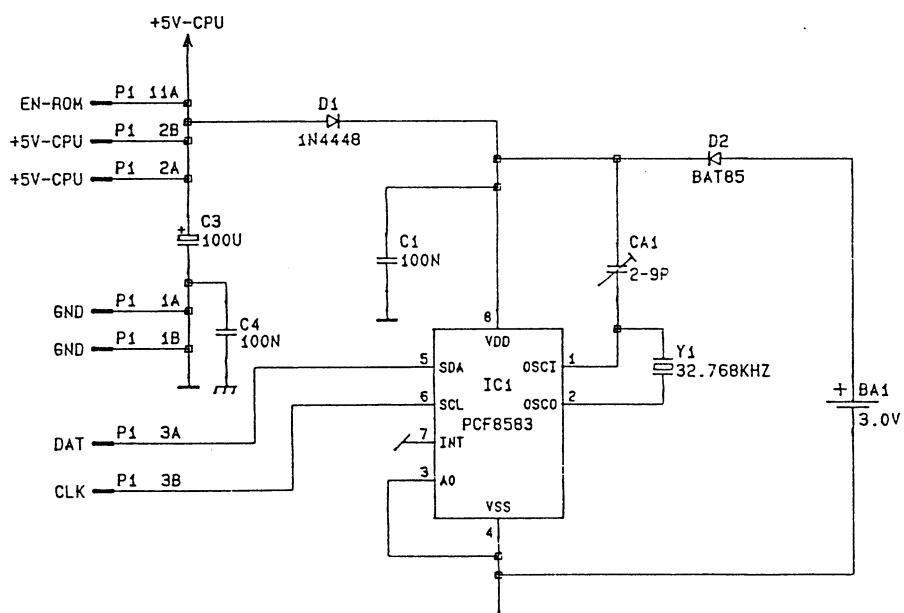
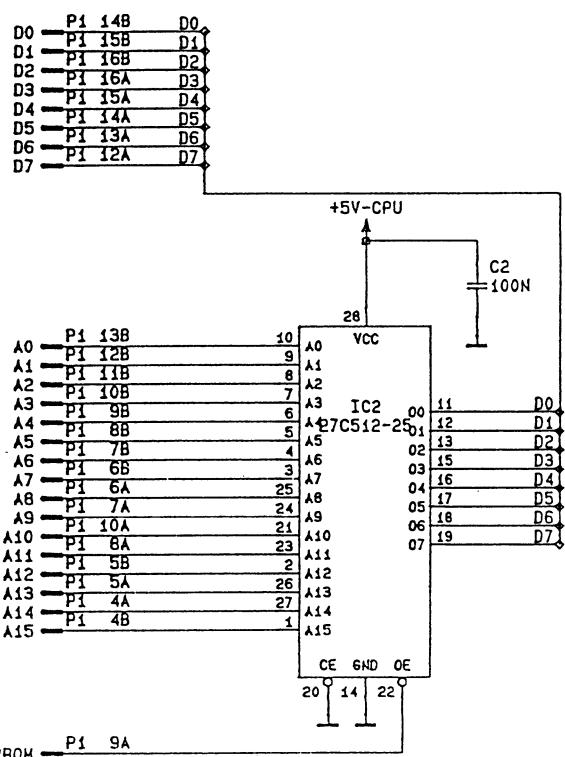
L.....7	62.02.3220	22uH	10%, 1.4 OHM, TDK EL 0606 SKI-220K	R....21	57.11.3561	560E	1%	0.6W,	0207,	MF
L.....8	62.02.3220	22uH	10%, 1.4 OHM, TDK EL 0606 SKI-220K	R....22	57.11.3103	10k	1%	0.6W,	0207,	MF
L.....9	62.01.0115	110MHz	HF-CHOKE PHILIPS 4312 020 36700	R....23	57.11.3102	1k	1%	0.6W,	0207,	MF
L....10	62.01.0115	110MHz	HF-CHOKE PHILIPS 4312 020 36700	R....24	57.11.3680	68E	1%	0.6W,	0207,	MF
MP....1	21.48.0354	4 PCS	SCREW M3x6 SYSTEM TAPITTE	R....25	57.11.3680	68E	1%	0.6W,	0207,	MF
MP....2	24.16.2030	2 PCS	SERRAT LOCK WASHER M3	R....26	57.11.3302	3k	1%	0.6W,	0207,	MF
MP....3	43.01.0108	1 PCE	ESE WARNING LABEL	R....27	57.11.3302	3k	1%	0.6W,	0207,	MF
MP....4	50.20.2004	5 PCS	MOUNTING CLIP TO220	R....28	57.11.3680	68E	1%	0.6W,	0207,	MF
MP....5	50.20.3004	2 PCS	HEAT SINK TO220	R....29	57.11.3680	68E	1%	0.6W,	0207,	MF
MP....6	1.751.220.02	1 PCE	COOLING PLATE	R....30	57.11.3103	10k	1%	0.6W,	0207,	MF
MP....7	1.751.220.03	1 PCE	HEAT CONDUCTOR	R....31	57.11.3103	10k	1%	0.6W,	0207,	MF
MP....8	1.751.220.04	1 PCE	CONN. CABLE UPPER BUS	R....32	57.11.3561	560E	1%	0.6W,	0207,	MF
MP....9	1.751.220.05	1 PCE	CONN. CABLE POWAMP CONTROL	R....33	57.11.3103	10k	1%	0.6W,	0207,	MF
MP....10	1.751.220.06	1 PCE	CONN. CABLE LOWER BUS	R....34	57.11.3103	10k	1%	0.6W,	0207,	MF
MP....11	1.751.220.07	1 PCE	CONN. CABLE POWAMP SUPPLY	R....35	57.11.3103	10k	1%	0.6W,	0207,	MF
MP....12	1.751.220.09	1 PCE	CONN. CABLE LED	R....36	57.11.3103	10k	1%	0.6W,	0207,	MF
MP....13	1.751.220.13	1 PCE	CONTROL UNIT PCB	R....37	57.11.3680	68E	1%	0.6W,	0207,	MF
MP....14	28.21.2408	2 PCS	TUBULAR RIVETS L=6mm D=3mm	R....38	57.11.3680	68E	1%	0.6W,	0207,	MF
P....1	54.99.0246	9-P	ANG., MALE, LOW COST, D-TYPE	R....39	57.11.3302	3k	1%	0.6W,	0207,	MF
P....4	54.14.5590	20-P	MALE, MICRO-MATCH, AMP 2-215 464-0	R....40	57.11.3302	3k	1%	0.6W,	0207,	MF
P....5	54.14.5590	20-P	MALE, MICRO-MATCH, AMP 2-215 464-0	R....41	57.11.3680	68E	1%	0.6W,	0207,	MF
P....6	54.02.0328	1-P	ANG., PLATPIN 2.8 * 0.8 mm HORIZ.	R....42	57.11.3680	68E	1%	0.6W,	0207,	MF
P....7	54.02.0328	1-P	ANG., PLATPIN 2.8 * 0.8 mm HORIZ.	R....43	57.11.3561	560E	1%	0.6W,	0207,	MF
P....8	54.02.0328	1-P	ANG., PLATPIN 2.8 * 0.8 mm HORIZ.	R....44	57.11.3680	68E	1%	0.6W,	0207,	MF
P....9	54.02.0328	1-P	ANG., PLATPIN 2.8 * 0.8 mm HORIZ.	R....45	57.11.3821	820E	1%	0.6W,	0207,	MF
Q....1	50.03.0515	BC307B	PNP, TO92-1	R....46	57.11.3223	22k	1%	0.6W,	0207,	MF
Q....2	50.03.0436	BC237B	NPN, TO92-1	R....47	57.11.3223	22k	1%	0.6W,	0207,	MF
Q....3	50.03.0515	BC307B	PNP, TO92-1	R....48	57.11.3103	10k	1%	0.6W,	0207,	MF
Q....4	50.03.0436	BC237B	NPN, TO92-1	R....49	57.11.3103	10k	1%	0.6W,	0207,	MF
Q....5	50.03.0515	BC307B	PNP, TO92-1	R....50	57.11.3621	620E	1%	0.6W,	0207,	MF
Q....6	50.03.0436	BC237B	NPN, TO92-1	R....51	57.11.3103	10k	1%	0.6W,	0207,	MF
Q....7	50.08.0100	BT151	7.5A, 400V, TO220, THYRISTOR	R....52	57.11.3103	10k	1%	0.6W,	0207,	MF
Q....8	50.08.0100	BT151	7.5A, 400V, TO220, THYRISTOR	R....53	57.11.3104	100k	1%	0.6W,	0207,	MF
Q....9	50.08.0100	BT151	7.5A, 400V, TO220, THYRISTOR	R....54	57.11.3621	620E	1%	0.6W,	0207,	MF
Q....10	50.08.0100	BT151	7.5A, 400V, TO220, THYRISTOR	R....55	57.11.3201	200E	1%	0.6W,	0207,	MF
Q....11	50.03.0515	BC307B	PNP, TO92-1	R....56	57.11.3103	10k	1%	0.6W,	0207,	MF
Q....12	50.03.0515	BC307B	PNP, TO92-1	R....57	57.11.3103	10k	1%	0.6W,	0207,	MF
Q....13	50.03.0436	BC237B	NPN, TO92-1	R....58	57.11.3150	15E	1%	0.6W,	0207,	MF
Q....14	50.03.0436	BC237B	NPN, TO92-1	R....59	57.11.3302	3k	1%	0.6W,	0207,	MF
Q....15	50.03.0436	BC237B	NPN, TO92-1	R....60	57.11.3302	3k	1%	0.6W,	0207,	MF
Q....16	50.03.0515	BC307B	PNP, TO92-1	R....61	57.11.3302	3k	1%	0.6W,	0207,	MF
Q....17	50.03.0627	BF423	PNP, TO92-4	R....62	57.11.3302	3k	1%	0.6W,	0207,	MF
Q....18	50.03.0436	BC237B	NPN, TO92-1	R....63	57.11.3302	3k	1%	0.6W,	0207,	MF
Q....19	50.03.0436	BC237B	NPN, TO92-1	R....64	57.11.3150	15E	1%	0.6W,	0207,	MF
Q....20	50.03.0553	BF422	NPN, TO92-4	R....65	57.11.3104	100k	1%	0.6W,	0207,	MF
Q....21	50.03.0553	BF422	NPN, TO92-4	R....66	57.11.3103	10k	1%	0.6W,	0207,	MF
Q....22	50.03.0627	BF423	PNP, TO92-4	R....67	57.11.3621	620E	1%	0.6W,	0207,	MF
Q....23	50.03.0436	BC237B	NPN, TO92-1	R....68	57.11.3102	1k	1%	0.6W,	0207,	MF
Q....24	50.03.0436	BC237B	NPN, TO92-1	R....69	57.11.3222	2k2	1%	0.6W,	0207,	MF
Q....25	50.03.0351	BC327-25	PNP, TO92-1	R....70	57.11.3221	220E	1%	0.6W,	0207,	MF
Q....26	50.03.0436	BC237B	NPN, TO92-1	R....71	57.11.3103	10k	1%	0.6W,	0207,	MF
Q....27	50.03.0515	BC307B	PNP, TO92-1	R....72	57.19.0270	27E	5%	0.33W,	0207,	R-FUSE
Q....28	50.03.0491	BC546B	NPN, TO92-1	R....73	57.11.3473	47k	1%	0.6W,	0207,	MF
Q....29	50.03.0515	BC307B	PNP, TO92-1	R....74	57.11.3681	680E	1%	0.6W,	0207,	MF
Q....30	50.03.0515	BC307B	PNP, TO92-1	R....75	57.11.3302	3k	1%	0.6W,	0207,	MF
Q....31	50.99.0119	2N6073B	4.0A, 400V, TO126, TRIAC	R....76	57.19.0100	10E	5%	0.33W,	0207,	R-FUSE
Q....32	50.03.0776	2SC2238	NPN, TO220-1	R....77	57.11.3223	22k	1%	0.6W,	0207,	MF
Q....33	50.03.0801	2SA968	PNP, TO220-1	R....78	57.11.3474	470k	1%	0.6W,	0207,	MF
Q....37	50.03.0492	BC556B	PNP, TO92-1	R....79	57.11.3302	3k	1%	0.6W,	0207,	MF
Q....38	50.03.0491	BC546B	NPN, TO92-1	R....80	57.11.3150	15E	1%	0.6W,	0207,	MF
Q....39	50.03.0436	BC237B	NPN, TO92-1	R....81	57.11.3302	3k	1%	0.6W,	0207,	MF
Q....40	50.03.0451	BD139-10	NPN, TO126-1	R....82	57.11.3302	3k	1%	0.6W,	0207,	MF
R....1	57.11.3221	220E	1%, 0.6W, 0207, MF	R....83	57.11.3302	3k	1%	0.6W,	0207,	MF
R....2	57.11.3102	1k	1%, 0.6W, 0207, MF	R....84	57.11.3302	3k	1%	0.6W,	0207,	MF
R....3	57.11.3471	470E	1%, 0.6W, 0207, MF	R....85	57.11.3302	3k	1%	0.6W,	0207,	MF
R....4	57.11.3101	100E	1%, 0.6W, 0207, MF	R....86	57.11.3150	15E	1%	0.6W,	0207,	MF
R....5	57.11.3102	1k	1%, 0.6W, 0207, MF	R....87	57.11.3303	30k	1%	0.6W,	0207,	MF
R....6	57.11.3101	100E	1%, 0.6W, 0207, MF	R....88	57.11.3302	3k	1%	0.6W,	0207,	MF
R....7	57.11.3183	18k	1%, 0.6W, 0207, MF	R....89	57.11.3474	470k	1%	0.6W,	0207,	MF
R....8	57.11.3472	4k7	1%, 0.6W, 0207, MF	R....90	57.11.3222	2k2	1%	0.6W,	0207,	MF
R....9	57.11.3561	560E	1%, 0.6W, 0207, MF	R....91	57.11.3103	10k	1%	0.6W,	0207,	MF
R....10	57.11.3102	1k	1%, 0.6W, 0207, MF	R....92	57.11.3222	2k2	1%	0.6W,	0207,	MF
R....11	57.11.3103	10k	1%, 0.6W, 0207, MF	R....93	57.92.7015	1.1A	50V	PTC RAYCHEM RXE 110		
R....12	57.11.3322	3k3	1%, 0.6W, 0207, MF	R....94	57.11.3222	2k2	1%	0.6W,	0207,	MF
R....13	57.11.3183	18k	1%, 0.6W, 0207, MF	R....95	57.11.3102	1k	1%	0.6W,	0207,	MF
R....14	57.11.3472	4k7	1%, 0.6W, 0207, MF	R....96	00.00.0000	not used				
R....15	57.11.3471	470E	1%, 0.6W, 0207, MF	R....97	57.11.3103	10k	1%	0.6W,	0207,	MF
R....16	57.11.3332	3k3	1%, 0.6W, 0207, MF	R....98	57.11.3473	47k	1%	0.6W,	0207,	MF
R....17	57.11.3473	47k	1%, 0.6W, 0207, MF	R....99	57.11.3302	3k	1%	0.6W,	0207,	MF
R....18	57.11.3561	560E	1%, 0.6W, 0207, MF	R....100	57.11.3473	47k	1%	0.6W,	0207,	MF
R....19	57.11.3473	47k	1%, 0.6W, 0207, MF	R....101	57.11.3103	10k	1%	0.6W,	0207,	MF
R....20	57.11.3561	560E	1%, 0.6W, 0207, MF	R....102	57.11.3474	470k	1%	0.6W,	0207,	MF
				R....103	57.11.3302	3k	1%	0.6W,	0207,	MF
				R....104	57.92.7016	1.6A	50V	PTC RAYCHEM RXE 160		

1.751.220.21 CONTROL UNIT 3/3

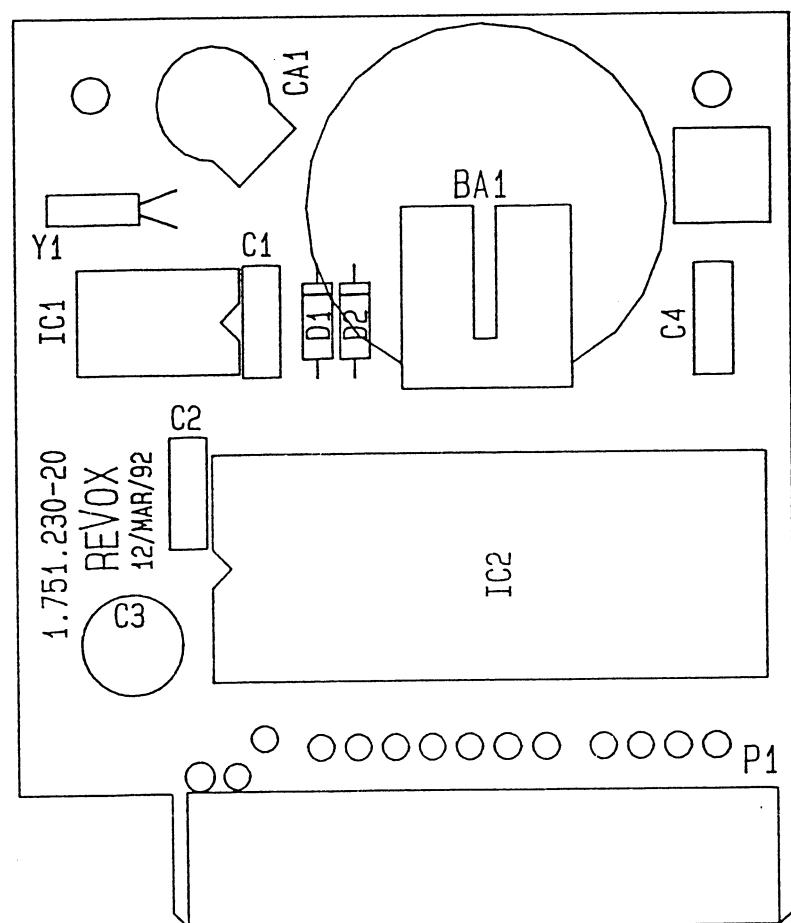
A | B | C | D | E | F | G | H

88  
P1  
F1C2X16

681



A | B | C | D | E | F | G | H



0 12/MAR/92 sid							
	AMPLIFIER		(OPTION)				
REVOX	MEMORY CARD			BP	1.751.230-20		

**I.751.230.20 MEMORY CARD W/TIMER**

Ad ...Pos... ...Ref.No... Description .....

BA....1	89.01.2202	3V/260mAh	Lithium Battery	CR2430PCB, VARTA
C.....1	59.06.0104	100nF	10%, 63V	PETP 2.5*7.5*8mm
C.....2	59.06.0104	100nF	10%, 63V	PETP 2.5*7.5*8mm
C.....3	59.22.3101	100uF	-20/+50%,10V	C-EL D6.8*15mm
C.....4	59.06.0104	100nF	10%, 63V	PETP 2.5*7.5*8mm
CA....1	59.18.0105	2-10pF	Plastic Film Trimmer	PHILIPS 222280811109
D.....1	50.04.0125	1N4448	D035	Rectifier Diode
D.....2	50.04.0127	BAT85	D035	Shottky Diode
IC....1	50.16.0800	PCP8583P	Clock Calendar & 256*8 SRAM,PHILIPS	
IC....2	50.14.2002	27C512	64k*8 CMOS EEPROM	250ns
MP....1	1.751.230.11		MEMORY CARD PCB empty	
Y....1	89.01.1005	32.768kHz	+/-20ppm	Miniature Quarz D2*6mm

sid93/01/1900

PETP= Polyester, C-EL= Electrolytic Capacitor

MANUFACTURER: ST= STUDER REVOX  
END

**I.751.250.00 AMPLIFIER BOARD 1/4**

Ad ..Pos..	...Ref.No...	Description .....	C.....1	59.06.0104	100n	10%,	63V,	59.06-1	C.....81	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	
			C.....2	59.32.1101	100p	10%,	400V,	59.32-1	C.....82	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	
			C.....3	59.32.1101	100p	10%,	400V,	59.32-1	C.....83	59.22.4101	100u	-20/+50%,	16V,	59.22-A	
			C.....4	59.32.1101	100p	10%,	400V,	59.32-1	01 C.....83	59.22.3101	100u	-20/+50%,	10V,	59.22-A	
			C.....5	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	C.....84	59.06.0104	100n	10%,	63V,	59.06-1	
			C.....6	59.32.1101	100p	10%,	400V,	59.32-1	D.....1	50.04.0105	1N4004	DO41,RECTIFIER			
			C.....7	59.06.0104	100n	10%,	63V,	59.06-1	D.....2	50.04.0133	BAV20	DO35,RECTIFIER			
			C.....8	59.06.0474	470n	10%,	63V,	59.06-3	D.....3	50.04.0105	1N4004	DO41,RECTIFIER			
			C.....9	59.06.0473	47n	10%,	63V,	59.06-1	D.....4	50.04.0105	1N4004	DO41,RECTIFIER			
			C.....10	59.32.1470	47p	10%,	400V,	59.32-1	D.....5	50.04.0133	BAV20	DO35,RECTIFIER			
			C.....11	59.06.0474	470n	10%,	63V,	59.06-3	D.....6	50.04.0125	1N4448	DO35,RECTIFIER			
			C.....12	59.32.1470	47p	10%,	400V,	59.32-1	D.....7	50.04.0105	1N4004	DO41,RECTIFIER			
			C.....13	59.06.0473	47n	10%,	63V,	59.06-1	D.....8	50.04.0125	1N4448	DO35,RECTIFIER			
			C.....14	59.35.6153	15000u	-20/+50%,	63V,	59.35-P	D.....9	50.04.0125	1N4448	DO35,RECTIFIER			
			C.....15	59.35.6153	15000u	-20/+50%,	63V,	59.35-P	D.....10	50.04.0125	1N4448	DO35,RECTIFIER			
			C.....16	59.06.0474	470n	10%,	63V,	59.06-3	D.....11	50.04.0125	1N4448	DO35,RECTIFIER			
			C.....17	59.06.0474	470n	10%,	63V,	59.06-3	D.....12	50.04.0125	1N4448	DO35,RECTIFIER			
			C.....18	59.06.0473	47n	10%,	63V,	59.06-1	D.....13	50.04.0125	1N4448	DO35,RECTIFIER			
			C.....19	59.06.0473	47n	10%,	63V,	59.06-1	D.....14	50.04.0125	1N4448	DO35,RECTIFIER			
			C.....20	59.32.1470	47p	10%,	400V,	59.32-1	D.....15	50.04.0125	1N4448	DO35,RECTIFIER			
			C.....21	59.32.1470	47p	10%,	400V,	59.32-1	D.....16	50.04.0133	BAV20	DO35,RECTIFIER			
			C....22	59.34.4221	220p	5\$,	63V,	59.34-3,	N750	D.....17	50.04.0125	1N4448	DO35,RECTIFIER		
			C....23	59.06.0104	100n	10%,	63V,	59.06-1	D.....18	50.04.0133	BAV20	DO35,RECTIFIER			
			C....24	59.06.0104	100n	10%,	63V,	59.06-1	D.....19	50.04.0125	1N4448	DO35,RECTIFIER			
			C....25	59.34.4221	220p	5\$,	63V,	59.34-3,	N750	D.....20	50.04.0125	1N4448	DO35,RECTIFIER		
			C....26	59.02.2154	150n	5\$,	100V,	59.05-5,	S13	D.....21	50.04.0125	1N4448	DO35,RECTIFIER		
			C....27	59.22.9221	220u	-20/+50%,	100V,	59.22-L	D.....22	50.04.0125	1N4448	DO35,RECTIFIER			
			C....28	59.22.9221	220u	-20/+50%,	100V,	59.22-L	D.....23	50.04.0125	1N4448	DO35,RECTIFIER			
			C....29	59.02.2154	150n	5\$,	100V,	59.05-5,	S13	D.....24	50.04.0125	1N4448	DO35,RECTIFIER		
			C....30	59.34.4221	220p	5\$,	63V,	59.34-3,	N750	D.....25	50.04.0125	1N4448	DO35,RECTIFIER		
			C....31	59.06.0104	100n	10%,	63V,	59.06-1	D.....26	50.04.0125	1N4448	DO35,RECTIFIER			
			C....32	59.06.0104	100n	10%,	63V,	59.06-1	D.....27	50.04.0125	1N4448	DO35,RECTIFIER			
			C....33	59.34.4221	220p	5\$,	63V,	59.34-3,	N750	D.....28	50.04.0125	1N4448	DO35,RECTIFIER		
			C....34	59.05.6222	2n2	10%,	400V,	13*5*11	D.....29	50.04.0125	1N4448	DO35,RECTIFIER			
			C....35	59.05.6222	2n2	10%,	400V,	13*5*11	D.....30	50.04.0125	1N4448	DO35,RECTIFIER			
			C....36	59.02.2154	150n	5\$,	100V,	5*13	D.....31	50.04.0125	1N4448	DO35,RECTIFIER			
			C....37	59.25.7100	10u	20%,	100V,	9*19	D.....32	50.04.0125	1N4448	DO35,RECTIFIER			
			C....38	59.05.6333	33n	10%,	400V,	18*5.5*11	D.....33	50.04.0125	1N4448	DO35,RECTIFIER			
			C....39	59.05.6333	33n	10%,	400V,	18*5.5*11	D.....34	50.04.0125	1N4448	DO35,RECTIFIER			
			C....40	59.25.7100	10u	20%,	100V,	9*19	D.....35	50.04.0125	1N4448	DO35,RECTIFIER			
			C....41	59.02.2154	150n	5\$,	100V,	59.05-5,	S13	D.....36	50.04.0125	1N4448	DO35,RECTIFIER		
			C....42	59.06.5332	3n3	5\$,	63V,	59.06-1	D.....37	50.04.0125	1N4448	DO35,RECTIFIER			
			C....43	59.06.5332	3n3	5\$,	63V,	59.06-1	D.....38	50.04.0125	1N4448	DO35,RECTIFIER			
			C....44	59.22.3221	220u	-20/+50%,	10V,	59.22-A	D.....39	50.04.0125	1N4448	DO35,RECTIFIER			
			C....45	59.34.4151	150p	5\$,	63V,	59.34-2,	N750	D.....40	50.04.0125	1N4448	DO35,RECTIFIER		
			C....46	59.34.4151	150p	5\$,	63V,	59.34-2,	N750	D.....41	50.04.0125	1N4448	DO35,RECTIFIER		
			C....47	59.22.3221	220u	-20/+50%,	10V,	59.22-A	D.....42	50.04.0125	1N4448	DO35,RECTIFIER			
			C....48	59.06.5152	1n5	5\$,	63V,	59.06-1	D.....43	50.04.0125	1N4448	DO35,RECTIFIER			
			C....49	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	DV....1	50.04.1116	22V	5\$,	0.5W,	D035, ZENER	
			C....50	59.06.5474	470n	5\$,	63V,	59.06-3	DV....2	50.04.1112	5.1V	5\$,	0.5W,	D035, ZENER	
			C....51	59.34.4101	100p	5\$,	63V,	59.34-2,	N750	DV....3	50.04.1116	22V	5\$,	0.5W,	D035, ZENER
			C....52	59.34.4101	100p	5\$,	63V,	59.34-2,	N750	DV....4	50.04.1112	5.1V	5\$,	0.5W,	D035, ZENER
			C....53	59.34.4101	100p	5\$,	63V,	59.34-2,	N750	DV....5	50.04.1116	22V	5\$,	0.5W,	D035, ZENER
			C....54	59.34.5471	470p	5\$,	63V,	59.34-4,	N1500	DV....6	50.04.1116	22V	5\$,	0.5W,	D035, ZENER
			C....55	59.06.5102	1n	5\$,	63V,	59.06-1	DV....7	50.04.1102	6.8V	5\$,	0.5W,	D035, ZENER	
			C....56	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	DV....8	50.04.1102	6.8V	5\$,	0.5W,	D035, ZENER	
			C....57	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	DV....9	50.04.1102	6.8V	5\$,	0.5W,	D035, ZENER	
			C....58	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	DV....10	50.04.1102	6.8V	5\$,	0.5W,	D035, ZENER	
			C....59	59.06.5334	330n	5\$,	63V,	59.06-3	DV....11	50.04.1102	6.8V	5\$,	0.5W,	D035, ZENER	
			C....60	59.34.4101	100p	5\$,	63V,	59.34-2,	N750	DV....12	50.04.1102	6.8V	5\$,	0.5W,	D035, ZENER
			C....61	59.34.1100	10p	5\$,	63V,	59.34-1,	NP0	IC....1	50.09.0117	MC33078	DIP08, DUAL LINEAR OPAMP		
			C....62	59.22.3470	47u	-20/+50%,	10V,	59.22-Q	IC....2	50.09.0117	MC33078	DIP08, DUAL LINEAR OPAMP			
			C....63	59.22.3101	100u	-20/+50%,	10V,	59.22-R	IC....3	50.07.0051	4051	DIP16, 8-CHANNEL ANALOG MUX/DEMU			
			C....64	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	IC....4	50.07.0037	AD7528	DIP20, D/A CONV. 8BIT DUAL MP			
			C....65	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	IC....5	50.09.0106	5532AN	DIP08, LINEAR OPAMP DUAL			
			C....66	59.06.5152	1n5	5\$,	63V,	59.06-1	IC....6	50.09.0117	MC33078	DIP08, DUAL LINEAR OPAMP			
			C....67	59.06.5102	1n	5\$,	63V,	59.06-1	IC....7	50.07.0018	HEF4094	DIP16, SHIFT AND STORE BUS REG.			
			C....68	59.06.5474	470n	5\$,	63V,	59.06-3	IC....8	50.07.0051	4051	DIP16, 8-CHANNEL ANALOG MUX/DEMU			
			C....69	59.06.5334	330n	5\$,	63V,	59.06-3	IC....9	50.07.0015	HEF4053B	DIP16, TRIP. 2-CH. ANA. MUX/DEMU			
			C....70	59.34.4101	100p	5\$,	63V,	59.34-2,	N750	IC....10	50.09.0117	MC33078	DIP08, DUAL LINEAR OPAMP		
			C....71	59.34.5471	470p	5\$,	63V,	59.34-4,	N1500	IC....11	50.07.0051	4051	DIP16, 8-CHANNEL ANALOG MUX/DEMU		
			C....72	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	IC....12	50.07.0018	HEF4094	DIP16, SHIFT AND STORE BUS REG.			
			C....73	59.22.3470	47u	-20/+50%,	10V,	59.22-Q	IC....13	50.07.0037	AD7528	DIP20, D/A CONV. 8BIT DUAL MP			
			C....74	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	IC....14	50.09.0106	5532AN	DIP08, LINEAR OPAMP DUAL			
			C....75	59.34.4101	100p	5\$,	63V,	59.34-2,	N750	IC....15	50.09.0117	MC33078	DIP08, DUAL LINEAR OPAMP		
			C....76	59.34.1100	10p	5\$,	63V,	59.34-1,	NP0	IC....16	50.07.0015	HEF4053B	DIP16, TRIP. 2-CH. ANA. MUX/DEMU		
			C....77	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	IC....17	50.07.0051	4051	DIP16, 8-CHANNEL ANALOG MUX/DEMU			
			C....78	59.05.2101	100p	2.5\$,	630V,	59.05-1	J....1	54.25.0006	6-P	12A,POWER CONN. AMP 826 850-3			
			C....79	59.22.3101	100u	-20/+50%,	10V,	59.22-R	J....2	54.01.0241	4-P	RM2.5,CIS-CONN.TOP AMP 163 680-2			
			C....80	59.22.5220	22u	-20/+50%,	25V,	59.22-Q	J....3	54.25.0004	4-P	16A,POWER CONN. AMP 826			

## 1.751.250.00 AMPLIFIER BOARD 2/4

J.....4	54.14.5520	20-P	VERT,MICRO-MATCH AMP 2-215 079-0		Q....42	50.03.0524	BC550	NPN,	T092-1, matched with Q49
01 J.....5	00.00.0000	not used			Q....43	50.03.0600	BC560M	PNP,	T092-1, matched with Q53
K.....1	56.04.0161	2*2U	24V,RELAY ZETTLER AZ 820-2C-24DE		Q....44	50.03.0600	BC560M	PNP,	T092-1, matched with Q50
L.....1	1.745.260.03	1.5uH	10%,OUTPUT COIL, AIR		Q....45	50.03.0551	BC639	NPN,	T092-4
L.....2	1.745.260.03	1.5uH	10%,OUTPUT COIL, AIR		Q....46	50.03.0626	BC640	PNP,	T092-4
MP....1	21.46.0356	18 PCS	SCREW M3 * 10 SYSTEM TAPITTE		Q....47	50.03.0524	BC550	NPN,	T092-1, matched with Q54
MP....2	21.48.0354	3 PCS	SCREW M3 * 8 SYSTEM TAPITTE		Q....48	50.03.0627	BF423	PNP,	T092-4
MP....3	37.01.0101	36 PCS	SPRING WASHER D3.2 / 8		Q....49	50.03.0524	BC550	NPN,	T092-1, matched with Q42
MP....4	24.16.2030	1 PCS	SERRAT LOCK WASHER M 3		Q....50	50.03.0600	BC560M	PNP,	T092-1, matched with Q44
MP....5	50.20.0404	6 PCS	INSULATING BUSH		Q....51	50.03.0553	BF422	NPN,	T092-4
02 MP....5	00.00.0000	not used			Q....52	50.03.0553	BF422	NPN,	T092-4
MP....6	1.010.098.27	6 PCS	WASHER	ST	Q....53	50.03.0600	BC560M	PNP,	T092-1, matched with Q43
MP....7	1.751.250.02	1 PCE	COOLING PLATE	ST	Q....54	50.03.0524	BC550	NPN,	T092-1, matched with Q47
MP....8	1.745.260.02	2 PCS	HEAT CONDUCTOR	ST	Q....55	50.03.0627	BF423	PNP,	T092-4
02 MP....8	00.00.0000	not used			Q....56	50.03.0627	BF423	PNP,	T092-4
MP....9	1.751.250.11	1 PCE	AMPLIFIER PCB	ST	Q....57	50.03.0553	BF422	NPN,	T092-4
01 MP....9	1.751.250.12	1 PCE	AMPLIFIER PCB	ST	Q....58	50.03.0553	BF422	NPN,	T092-4
01 MP....10	1.010.014.22	2 PCS	RIVET-NUT M3 * 4.5 mm	ST	Q....59	50.03.0627	BP423	PNP,	T092-4
01 MP....11	43.01.0108	1 PCS	ESE WARNING LABEL	ST	Q....60	50.03.0627	BP423	PNP,	T092-4
P.....1	54.02.0320	1-P	STR., MALE, 54020320,FLATPIN 2		Q....61	50.03.0553	BP422	NPN,	T092-4
P.....2	54.02.0320	1-P	STR., MALE, 54020320,FLATPIN 2		Q....62	50.03.0215	2SK170	NFET,	T092-7
P.....3	54.02.0320	1-P	STR., MALE, 54020320,FLATPIN 2		Q....63	50.03.0215	2SK170	NFET,	T092-7
P.....4	54.02.0320	1-P	STR., MALE, 54020320,FLATPIN 2		Q....64	50.03.0215	2SK170	NFET,	T092-7
Q.....1	50.03.0517	2SC3012	NPN, B65-1		Q....65	50.03.0215	2SK170	NFET,	T092-7
02 Q.....1	50.03.0903	2SC4388	NPN,	SANKEN	R....1	57.99.0800	100k	25\$, R-WTC PHILIPS 2322 640 63 104	
Q.....2	50.03.0517	2SC3012	NPN, B65-1		R....2	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....2	50.03.0903	2SC4388	NPN,	SANKEN	R....3	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
Q.....3	50.03.0517	2SC3012	NPN, B65-1		R....4	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....3	50.03.0903	2SC4388	NPN,	SANKEN	R....5	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
Q.....4	50.03.0517	2SC3012	NPN, B65-1		R....6	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....4	50.03.0903	2SC4388	NPN,	SANKEN	R....7	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....5	50.03.0776	2SC2238	NPN, TO220-1		R....8	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....5	50.03.0804	2SC4793	NPN,	To	R....9	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....6	50.03.0776	2SC2238	NPN, TO220-1		R....10	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....6	50.03.0804	2SC4793	NPN,	To	R....11	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....7	50.03.0776	2SC2238	NPN, TO220-1		R....12	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....7	50.03.0804	2SC4793	NPN,	To	R....13	57.19.0151	150E	5\$, 0.33W, 0207, R-FUSE	
Q.....8	50.03.0804	2SC4793	NPN,	To	R....14	57.19.0151	150E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....8	50.03.0804	2SC4793	NPN,	SANKEN	R....15	57.19.0182	1k8	5\$, 0.33W, 0207, R-FUSE	
Q.....9	50.03.0801	2SA968	NPN, B65-1		R....16	57.19.0470	47E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....9	50.03.0801	2SA968	NPN,	SANKEN	R....17	57.19.0471	470E	5\$, 0.33W, 0207, R-FUSE	
Q.....10	50.03.0801	2SA968	NPN, B65-1		R....18	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....10	50.03.0801	2SA968	NPN,	SANKEN	R....19	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....11	50.03.0801	2SA968	NPN, B65-1		R....20	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....11	50.03.0801	2SA968	NPN,	SANKEN	R....21	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....12	50.03.0801	2SA968	NPN, B65-1		R....22	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....12	50.03.0801	2SA968	NPN,	SANKEN	R....23	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....13	50.03.0801	2SA968	NPN, B65-1		R....24	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....13	50.03.0801	2SA968	NPN,	SANKEN	R....25	57.19.0409	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....14	50.03.0801	2SA968	NPN, TO220-1		R....26	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....14	50.03.0801	2SA968	NPN,	To	R....27	57.11.3223	22k	1\$, 0.6W, 0207, MF	
Q.....15	50.03.0776	2SC2238	NPN, TO220-1		R....28	57.11.3339	3E3	1\$, 0.6W, 0207, MF	
02 Q.....15	50.03.0804	2SC4793	NPN,	To	R....29	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....16	50.03.0776	2SC2238	NPN, TO220-1		R....30	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....16	50.03.0903	2SC4388	NPN,	SANKEN	R....31	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....17	50.03.0517	2SC3012	NPN, B65-1		R....32	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....17	50.03.0903	2SC4388	NPN,	SANKEN	R....33	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....18	50.03.0517	2SC3012	NPN, B65-1		R....34	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....18	50.03.0903	2SC4388	NPN,	SANKEN	R....35	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....19	50.03.0517	2SC3012	NPN, B65-1		R....36	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....19	50.03.0517	2SC3012	NPN, B65-1		R....37	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....20	50.03.0524	BC550	NPN, TO92-1,		R....38	57.19.0471	470E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....20	50.03.0524	BC550	NPN, TO92-1,		R....39	57.19.0470	47E	5\$, 0.33W, 0207, R-FUSE	
Q.....21	50.03.0600	BC560M	NPN, TO92-1,		R....40	57.19.0182	1k8	5\$, 0.33W, 0207, R-FUSE	
02 Q.....21	50.03.0600	BC560M	NPN, TO92-1,		R....41	57.19.0151	150E	5\$, 0.33W, 0207, R-FUSE	
Q.....22	50.03.0600	BC560M	NPN, TO92-1,		R....42	57.19.0151	150E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....22	50.03.0600	BC560M	NPN, TO92-1,		R....43	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....23	50.03.0801	2SA968	NPN, TO92-1,		R....44	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....23	50.03.0801	2SA968	NPN, TO92-1,		R....45	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....24	50.03.0776	2SC2238	NPN, TO92-1,		R....46	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....24	50.03.0776	2SC2238	NPN, TO92-1,		R....47	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....25	50.03.0776	2SC2238	NPN, TO92-1,		R....48	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....25	50.03.0776	2SC2238	NPN, TO92-1,		R....49	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....26	50.03.0801	2SA968	NPN, TO92-1,		R....50	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....26	50.03.0801	2SA968	NPN, TO92-1,		R....51	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....27	50.03.0600	BC560M	NPN, TO92-1,		R....52	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....27	50.03.0600	BC560M	NPN, TO92-1,		R....53	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q.....28	50.03.0600	BC560M	NPN, TO92-1,		R....54	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....28	50.03.0600	BC560M	NPN, TO92-1,		R....55	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
Q.....29	50.03.0524	BC550	NPN, TO92-1,		R....56	57.19.0102	1k	5\$, 0.33W, 0207, R-FUSE	
02 Q.....29	50.03.0524	BC550	NPN, TO92-1,		R....57	57.19.0102	1k	5\$, 0.33W, 0207, R-FUSE	
Q.....30	50.03.0515	BC307B	NPN, TO92-1,		R....58	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....30	50.03.0515	BC307B	NPN, TO92-1,		R....59	57.11.3223	22k	1\$, 0.6W, 0207, MF	
Q.....31	50.03.0801	2SA968	NPN, TO92-1,		R....60	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
02 Q.....31	50.03.0801	2SA968	NPN, TO92-1,						
Q.....32	50.03.0776	2SC2238	NPN, TO92-1,						
02 Q.....32	50.03.0776	2SC2238	NPN, TO92-1,						
Q.....33	50.03.0801	2SA968	NPN, TO92-1,						
02 Q.....33	50.03.0801	2SA968	NPN, TO92-1,						
Q.....34	50.03.0524	BC550	NPN, TO92-1,						
02 Q.....34	50.03.0524	BC550	NPN, TO92-1,						
Q.....35	50.03.0776	2SC2238	NPN, TO92-1,						
02 Q.....35	50.03.0776	2SC2238	NPN, TO92-1,						
Q.....36	50.03.0553	BF422	NPN, TO92-4						
02 Q.....36	50.03.0553	BF422	NPN, TO92-4						
Q.....37	50.03.0553	BF422	NPN, TO92-4						
02 Q.....37	50.03.0553	BF422	NPN, TO92-4						
Q.....38	50.03.0627	BF423	NPN, TO92-4						
02 Q.....38	50.03.0627	BF423	NPN, TO92-4						
Q.....39	50.03.0627	BF423	NPN, TO92-4						
02 Q.....39	50.03.0627	BF423	NPN, TO92-4						
Q.....40	50.03.0801	2SA968	NPN, TO92-1,						
02 Q.....40	50.03.0801	2SA968	NPN, TO92-1,						
Q.....41	50.03.0776	2SC2238	NPN, TO92-1,						

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R....61	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....143	57.11.3242	2k4	1\$,	0.6W,	0207,	MF
R....62	57.11.3102	1k	1\$,	0.6W,	0207,	MF	R....144	57.11.3103	10k	1\$,	0.6W,	0207,	MF
R....63	57.11.3102	1k	1\$,	0.6W,	0207,	MF	R....145	57.11.3103	10k	1\$,	0.6W,	0207,	MF
R....64	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....146	57.11.3242	2k4	1\$,	0.6W,	0207,	MF
R....65	57.11.3153	15k	1\$,	0.6W,	0207,	MF	R....147	57.11.3181	180E	1\$,	0.6W,	0207,	MF
R....66	57.11.3153	15k	1\$,	0.6W,	0207,	MF	R....149	57.11.3271	270E	1\$,	0.6W,	0207,	MF
R....67	57.11.3153	15k	1\$,	0.6W,	0207,	MF	R....150	57.11.3432	4k3	1\$,	0.6W,	0207,	MF
R....68	57.11.3153	15k	1\$,	0.6W,	0207,	MF	R....151	57.11.3432	4k3	1\$,	0.6W,	0207,	MF
R....69	57.19.0151	150E	5\$,	0.33W,	0207,	R-FUSE	R....152	57.11.3271	270E	1\$,	0.6W,	0207,	MF
R....70	57.11.3332	3k3	1\$,	0.6W,	0207,	MF	R....153	57.11.3471	470E	1\$,	0.6W,	0207,	MF
R....71	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....154	57.11.3473	47k	1\$,	0.6W,	0207,	MF
R....72	57.19.0151	150E	5\$,	0.33W,	0207,	R-FUSE	R....155	57.11.3473	47k	1\$,	0.6W,	0207,	MF
R....73	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....156	57.11.3471	470E	1\$,	0.6W,	0207,	MF
R....74	57.11.3332	3k3	1\$,	0.6W,	0207,	MF	R....157	57.11.3271	270E	1\$,	0.6W,	0207,	MF
R....75	57.11.3622	6k2	1\$,	0.6W,	0207,	MF	R....158	57.11.3103	10k	1\$,	0.6W,	0207,	MF
R....76	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....159	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....77	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....160	57.11.3471	470E	1\$,	0.6W,	0207,	MF
R....78	57.11.3622	6k2	1\$,	0.6W,	0207,	MF	R....161	57.11.3392	3k9	1\$,	0.6W,	0207,	MF
R....79	57.19.0102	1k	5\$,	0.33W,	0207,	R-FUSE	R....162	57.11.3333	33k	1\$,	0.6W,	0207,	MF
R....80	57.19.0102	1k	5\$,	0.33W,	0207,	R-FUSE	R....163	57.11.3332	3k3	1\$,	0.6W,	0207,	MF
R....81	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....164	57.11.3123	12k	1\$,	0.6W,	0207,	MF
R....82	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....165	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....83	57.11.3223	22k	1\$,	0.6W,	0207,	MF	R....166	57.11.3622	6k2	1\$,	0.6W,	0207,	MF
R....84	57.11.3392	3k9	1\$,	0.6W,	0207,	MF	R....167	57.11.3101	100E	1\$,	0.6W,	0207,	MF
R....85	57.11.3223	22k	1\$,	0.6W,	0207,	MF	R....168	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....86	57.11.3223	22k	1\$,	0.6W,	0207,	MF	R....169	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....87	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....170	57.11.3101	100E	1\$,	0.6W,	0207,	MF
R....88	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....171	57.11.3333	33k	1\$,	0.6W,	0207,	MF
R....89	57.11.3223	22k	1\$,	0.6W,	0207,	MF	R....172	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....90	57.11.3392	3k9	1\$,	0.6W,	0207,	MF	R....173	57.11.3472	4k7	1\$,	0.6W,	0207,	MF
R....91	57.11.3102	1k	1\$,	0.6W,	0207,	MF	R....174	57.11.3123	12k	1\$,	0.6W,	0207,	MF
R....92	57.11.3332	3k3	1\$,	0.6W,	0207,	MF	R....175	57.11.3302	3k	1\$,	0.6W,	0207,	MF
R....93	57.11.3332	3k3	1\$,	0.6W,	0207,	MF	R....176	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....94	57.11.3102	1k	1\$,	0.6W,	0207,	MF	R....177	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....95	57.11.3622	6k2	1\$,	0.6W,	0207,	MF	R....178	57.11.3102	1k	1\$,	0.6W,	0207,	MF
R....96	57.11.3622	6k2	1\$,	0.6W,	0207,	MF	R....179	57.11.3102	1k	1\$,	0.6W,	0207,	MF
R....97	57.19.0151	150E	5\$,	0.33W,	0207,	R-FUSE	R....180	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....98	57.11.3273	27k	1\$,	0.6W,	0207,	MF	R....181	57.11.3105	1M	1\$,	0.6W,	0207,	MF
R....99	57.19.0151	150E	5\$,	0.33W,	0207,	R-FUSE	R....182	57.11.3103	10k	1\$,	0.6W,	0207,	MF
R....100	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....183	57.11.3102	1k	1\$,	0.6W,	0207,	MF
R....101	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....184	57.11.3821	820E	1\$,	0.6W,	0207,	MF
R....102	57.19.0331	330E	5\$,	0.33W,	0207,	R-FUSE	R....185	57.11.3122	1k2	1\$,	0.6W,	0207,	MF
R....103	57.11.3392	3k9	1\$,	0.6W,	0207,	MF	R....186	57.11.3122	1k2	1\$,	0.6W,	0207,	MF
R....104	57.11.3392	3k9	1\$,	0.6W,	0207,	MF	R....187	57.11.3102	1k	1\$,	0.6W,	0207,	MF
R....105	57.11.3431	430E	1\$,	0.6W,	0207,	MF	R....188	57.11.3821	820E	1\$,	0.6W,	0207,	MF
R....106	57.19.0331	330E	5\$,	0.33W,	0207,	R-FUSE	R....189	57.11.3103	10k	1\$,	0.6W,	0207,	MF
R....107	57.11.3220	22E	1\$,	0.6W,	0207,	MF	R....190	57.11.3221	220E	1\$,	0.6W,	0207,	MF
R....108	57.11.3220	22E	1\$,	0.6W,	0207,	MF	R....191	57.11.3103	10k	1\$,	0.6W,	0207,	MF
R....109	57.19.0331	330E	5\$,	0.33W,	0207,	R-FUSE	R....192	57.11.3221	220E	1\$,	0.6W,	0207,	MF
R....110	57.19.0331	330E	5\$,	0.33W,	0207,	R-FUSE	R....193	57.11.3103	10k	1\$,	0.6W,	0207,	MF
R....111	57.11.3242	2k4	1\$,	0.6W,	0207,	MF	R....194	57.11.3103	10k	1\$,	0.6W,	0207,	MF
R....112	57.11.3332	3k3	1\$,	0.6W,	0207,	MF	R....195	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....113	57.11.3332	3k3	1\$,	0.6W,	0207,	MF	R....196	57.11.3472	4k7	1\$,	0.6W,	0207,	MF
R....114	57.11.3242	2k4	1\$,	0.6W,	0207,	MF	R....197	57.11.3473	47k	1\$,	0.6W,	0207,	MF
R....115	57.11.3220	22E	1\$,	0.6W,	0207,	MF	R....198	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....116	57.11.3220	22E	1\$,	0.6W,	0207,	MF	R....199	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....117	57.11.3242	2k4	1\$,	0.6W,	0207,	MF	R....200	57.11.3272	2k7	1\$,	0.6W,	0207,	MF
R....118	57.11.3332	3k3	1\$,	0.6W,	0207,	MF	R....201	57.11.3102	1k	1\$,	0.6W,	0207,	MF
R....119	57.11.3332	3k3	1\$,	0.6W,	0207,	MF	R....202	57.11.3821	820E	1\$,	0.6W,	0207,	MF
R....120	57.11.3242	2k4	1\$,	0.6W,	0207,	MF	R....203	57.11.3122	1k2	1\$,	0.6W,	0207,	MF
R....121	57.11.3431	430E	1\$,	0.6W,	0207,	MF	R....204	57.11.3122	1k2	1\$,	0.6W,	0207,	MF
R....122	57.11.3472	4k7	1\$,	0.6W,	0207,	MF	R....205	57.11.3102	1k	1\$,	0.6W,	0207,	MF
R....123	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....206	57.11.3821	820E	1\$,	0.6W,	0207,	MF
R....124	57.19.0101	100E	5\$,	0.33W,	0207,	R-FUSE	R....207	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....125	57.11.3472	4k7	1\$,	0.6W,	0207,	MF	R....208	57.11.3152	1k5	1\$,	0.6W,	0207,	MF
R....126	57.11.3271	270E	1\$,	0.6W,	0207,	MF	R....209	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....127	57.11.3271	270E	1\$,	0.6W,	0207,	MF	R....210	57.11.3105	1M	1\$,	0.6W,	0207,	MF
R....128	57.11.3223	22k	1\$,	0.6W,	0207,	MF	R....211	57.11.3103	10k	1\$,	0.6W,	0207,	MF
R....129	57.11.3223	22k	1\$,	0.6W,	0207,	MF	R....212	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....130	57.11.3223	22k	1\$,	0.6W,	0207,	MF	R....213	57.11.3333	33k	1\$,	0.6W,	0207,	MF
R....131	57.11.3223	22k	1\$,	0.6W,	0207,	MF	R....214	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....132	57.11.3473	47k	1\$,	0.6W,	0207,	MF	R....215	57.11.3471	470E	1\$,	0.6W,	0207,	MF
R....133	57.11.3223	22k	1\$,	0.6W,	0207,	MF	R....216	57.11.3392	3k9	1\$,	0.6W,	0207,	MF
R....134	57.11.3103	10k	1\$,	0.6W,	0207,	MF	R....217	57.11.3622	6k2	1\$,	0.6W,	0207,	MF
R....135	57.11.3103	10k	1\$,	0.6W,	0207,	MF	R....218	57.11.3302	3k	1\$,	0.6W,	0207,	MF
R....136	57.11.3223	22k	1\$,	0.6W,	0207,	MF	R....219	57.11.3272	2k7	1\$,	0.6W,	0207,	MF
R....137	57.11.3473	47k	1\$,	0.6W,	0207,	MF	R....220	57.11.3332	3k3	1\$,	0.6W,	0207,	MF
R....138	57.56.5100	10E	10\$,	4W,	57.56-H,	R-WW	R....221	57.11.3562	5k6	1\$,	0.6W,	0207,	MF
R....139	57.56.5100	10E	10\$,	4W,	57.56-H,	R-WW	R....222	57.11.3105	1M	1\$,	0.6W,	0207,	MF
R....140	57.11.3271	270E	1\$,	0.6W,	0207,	MF	R....223	57.11.3101	100E	1\$,	0.6W,	0207,	MF
R....141	57.11.3242	2k4	1\$,	0.6W,	0207,	MF	R....224	57.11.3105	1M	1\$,	0.6W,	0207,	MF
R....142	57.11.3181	180E	1\$,	0.6W,	0207,	MF	R....225	57.11.3272	2k7	1\$,	0.6W,	0207,	MF

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R...227	57.11.3272	2k7	1%, 0.6W,	0207,	MF
R...228	57.11.3123	12k	1%, 0.6W,	0207,	MF
R...229	57.11.3562	5k6	1%, 0.6W,	0207,	MF
R...230	57.11.3562	5k6	1%, 0.6W,	0207,	MF
R...231	57.11.3473	47k	1%, 0.6W,	0207,	MF
R...232	57.11.3333	33k	1%, 0.6W,	0207,	MF
R...233	57.11.3821	820E	1%, 0.6W,	0207,	MF
R...234	57.11.3102	1k	1%, 0.6W,	0207,	MF
R...235	57.11.3122	1k2	1%, 0.6W,	0207,	MF
R...236	57.11.3122	1k2	1%, 0.6W,	0207,	MF
R...237	57.11.3821	820E	1%, 0.6W,	0207,	MF
R...238	57.11.3102	1k	1%, 0.6W,	0207,	MF
R...239	57.11.3102	1k	1%, 0.6W,	0207,	MF
R...240	57.11.3821	820E	1%, 0.6W,	0207,	MF
R...241	57.11.3122	1k2	1%, 0.6W,	0207,	MF
R...242	57.11.3122	1k2	1%, 0.6W,	0207,	MF
R...243	57.11.3821	820E	1%, 0.6W,	0207,	MF
R...244	57.11.3102	1k	1%, 0.6W,	0207,	MF
R...245	57.11.3562	5k6	1%, 0.6W,	0207,	MF
R...246	57.11.3472	4k7	1%, 0.6W,	0207,	MF
R...247	57.11.3562	5k6	1%, 0.6W,	0207,	MF
R...248	57.11.3221	220E	1%, 0.6W,	0207,	MF
R...249	57.11.3221	220E	1%, 0.6W,	0207,	MF
R...250	57.11.3472	4k7	1%, 0.6W,	0207,	MF
R...251	57.11.3123	12k	1%, 0.6W,	0207,	MF
R...252	57.11.3332	3k3	1%, 0.6W,	0207,	MF
R...253	57.11.3152	1k5	1%, 0.6W,	0207,	MF
R...254	57.11.3103	10k	1%, 0.6W,	0207,	MF
R...255	57.11.3103	10k	1%, 0.6W,	0207,	MF
R...256	57.11.3103	10k	1%, 0.6W,	0207,	MF
R...257	57.11.3472	4k7	1%, 0.6W,	0207,	MF
RA....1	58.01.9102	1k	10%, 0.5W,	3/8", VERT.	
RA....2	58.01.9102	1k	10%, 0.5W,	3/8", VERT.	
01 W....1	64.01.0106	10 mm	,	WIRE BRIDGE	
01 W....2	64.01.0106	10 mm	,	WIRE BRIDGE	
01 W....3	64.01.0106	10 mm	,	WIRE BRIDGE	

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sid92/04/2101

sid93/04/2202

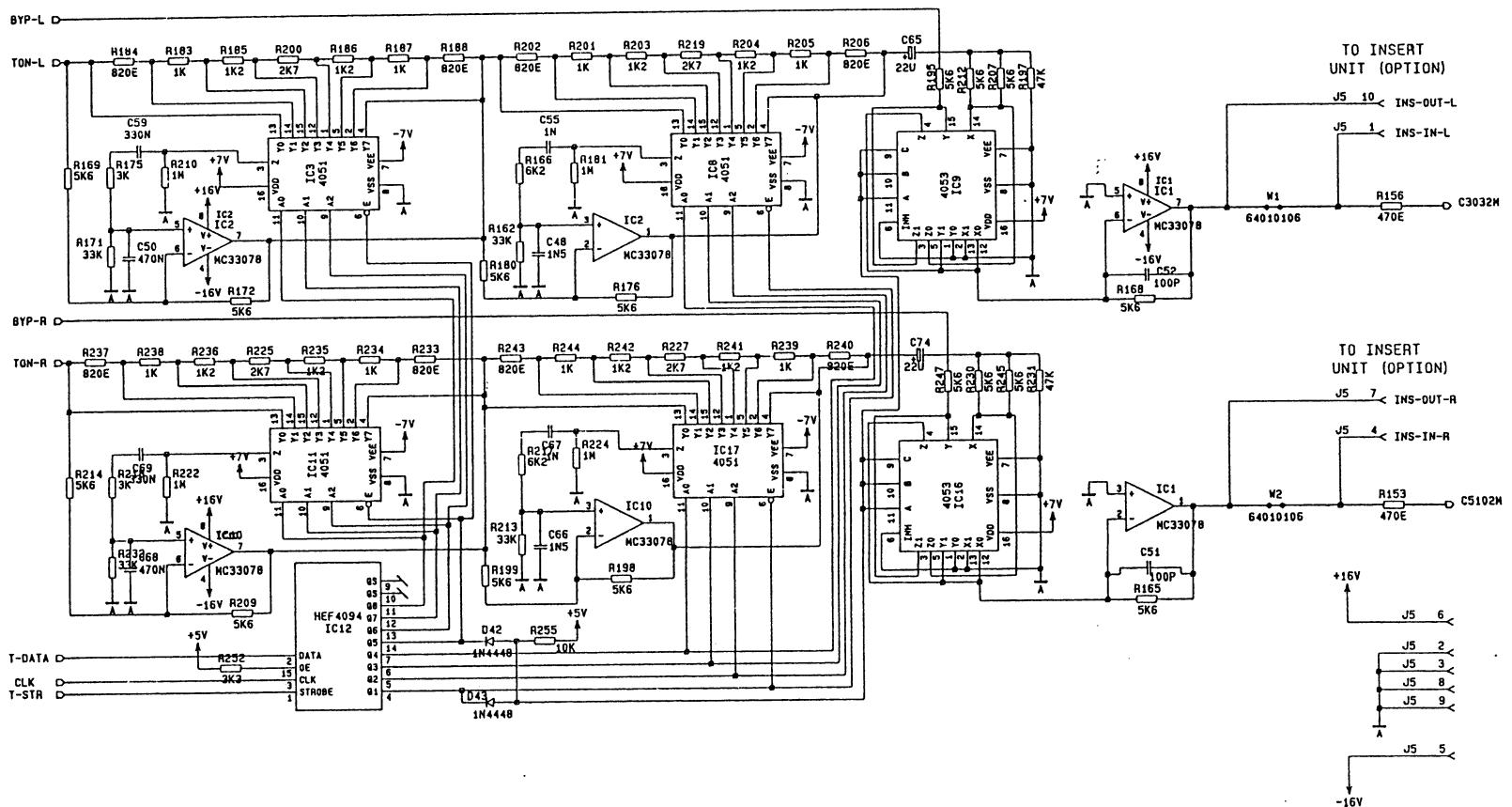
MF= Metal Film    Si= Silicon    El= Electrolytic  
 Cer= Ceramic    PETP= Polyester SAL= Solid Aluminum  
 PP= Polypropylene

MANUFACTURER: ST= STUDER

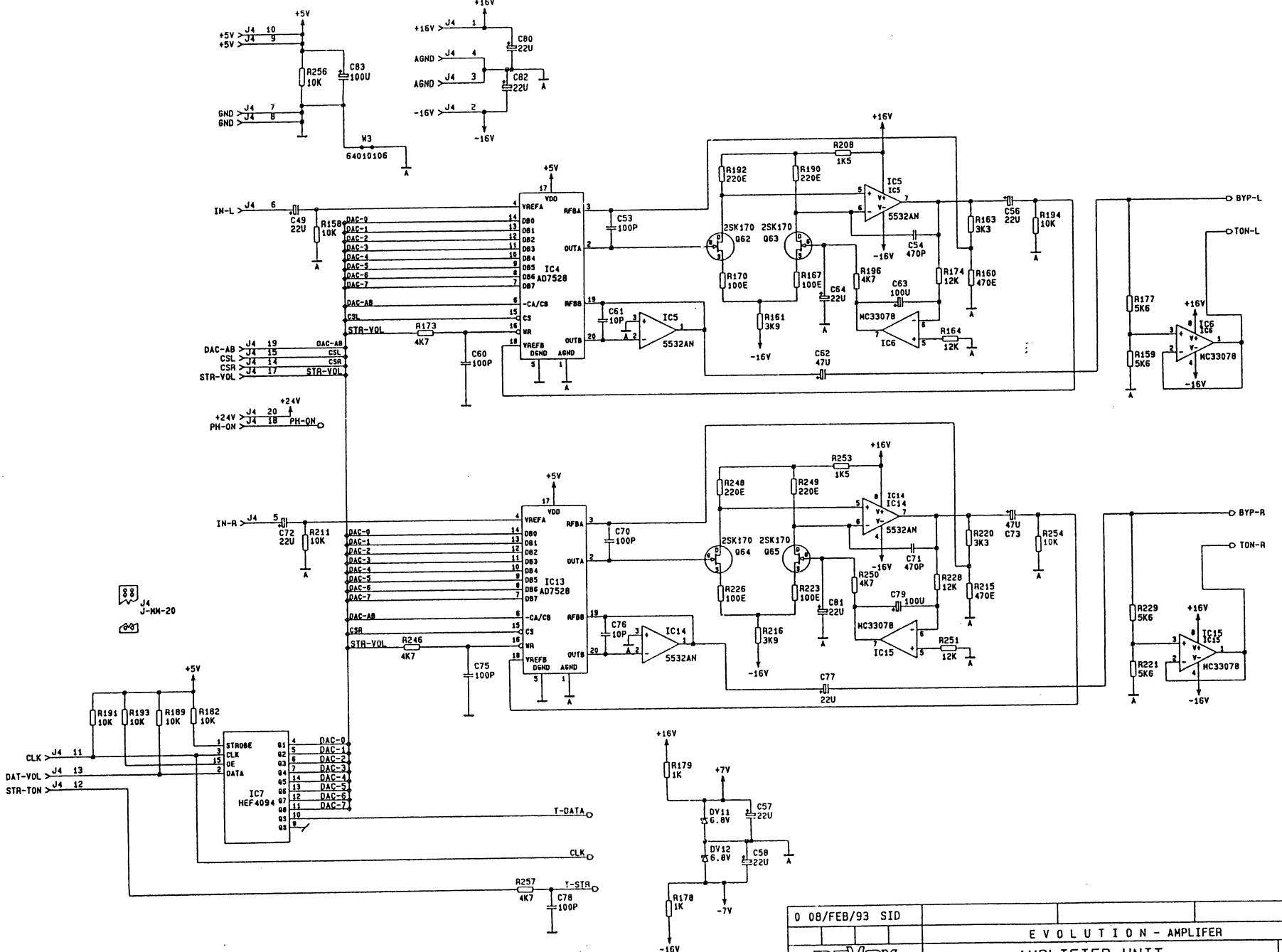
MATCHED PAIRS: DIFFERENCE OF VBE &lt; 5mV

END

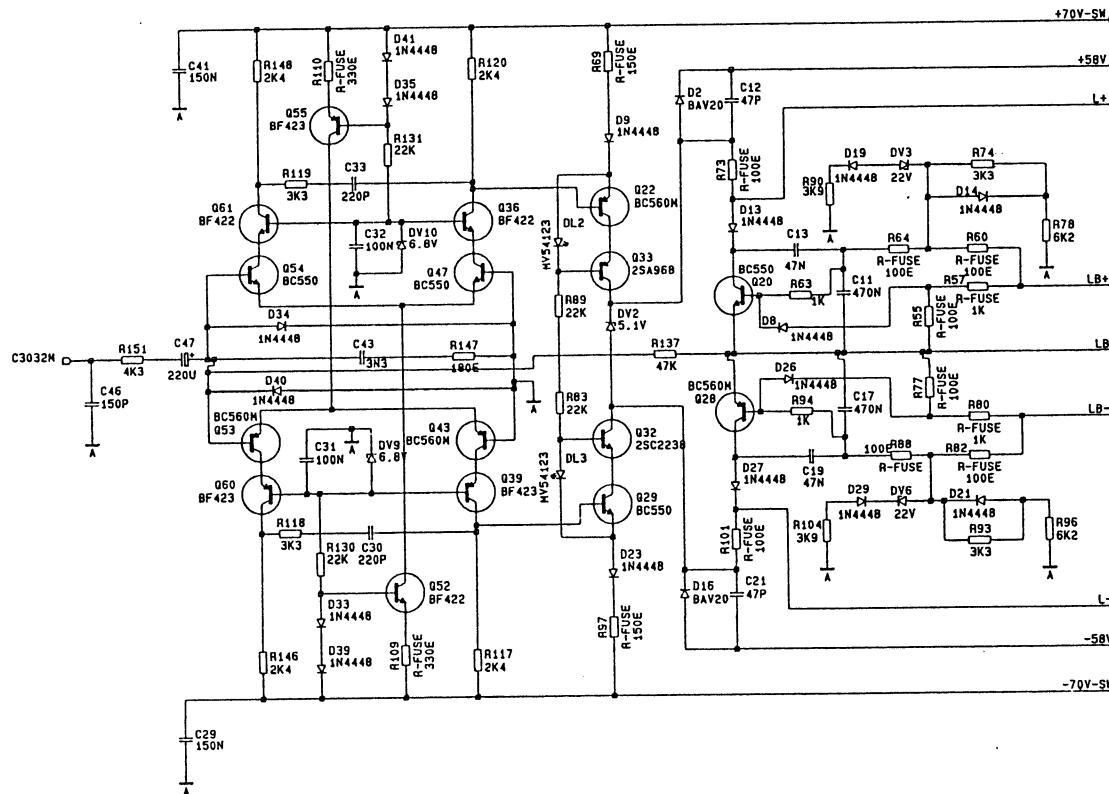
J5  
J-MM-10



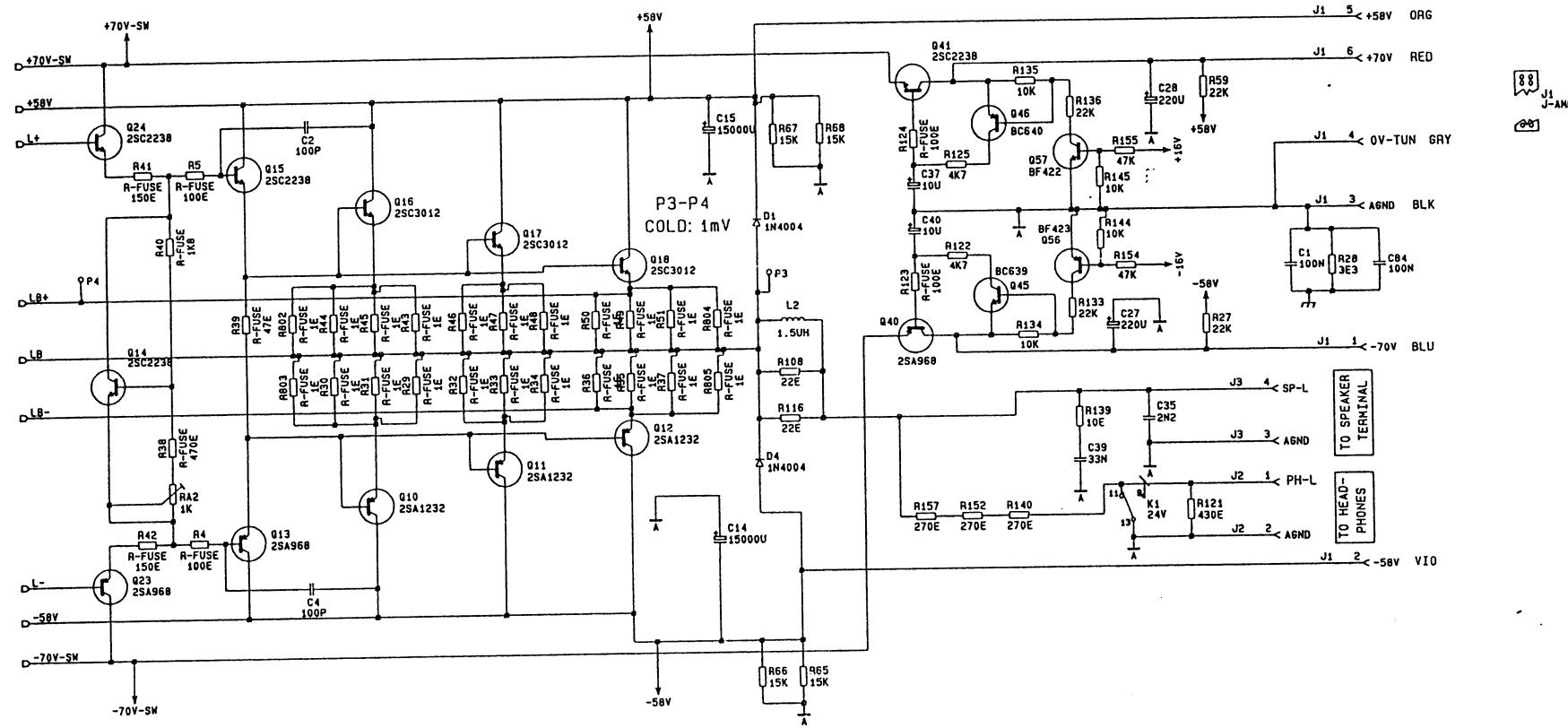
0	08/FEB/93	SID					
			E V O L U T I O N - A M P L I F E R			PAGE 2 OF 6	
REVOX		AMPLIFIER UNIT			SC	1.751.250-81	



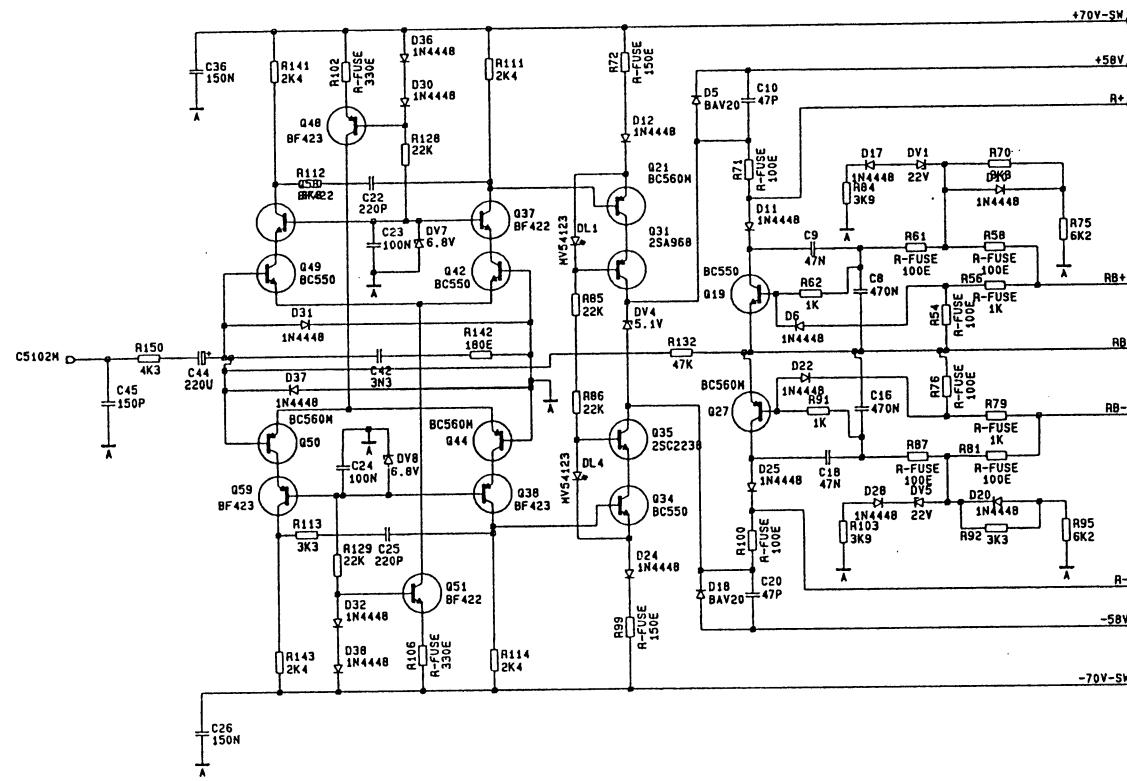
08/FEB/93 SID			
EVOLUTION - AMPLIFIER			
REVOX	AMPLIFIER UNIT	SC 1.751.250-81	PAGE 1 OF 6



0 08/FEB/93 SID			PAGE 3 OF 6
EVOLUTION - AMPLIFIER			
REVOX	AMPLIFIER UNIT	SC 1.751.250-81	



0 08/FEB/93 SID	E V O L U T I O N - A M P L I F E R	PAGE 4 OF 6
REVOX	AMPLIFIER UNIT	SC 1.751.250-81



Q 08/FEB/93

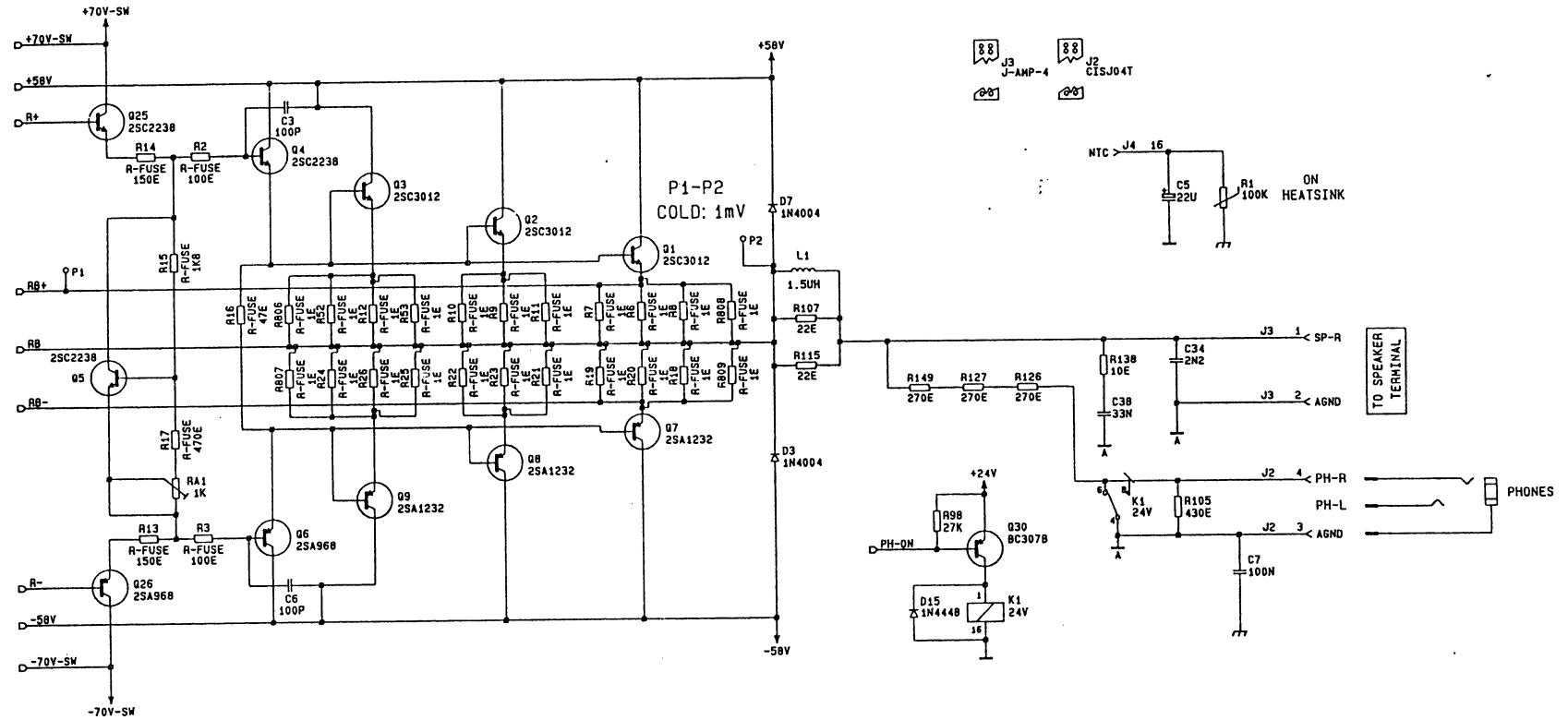
E V O L U T I O N - A M P L I F E R

PAGE 5 OF 6

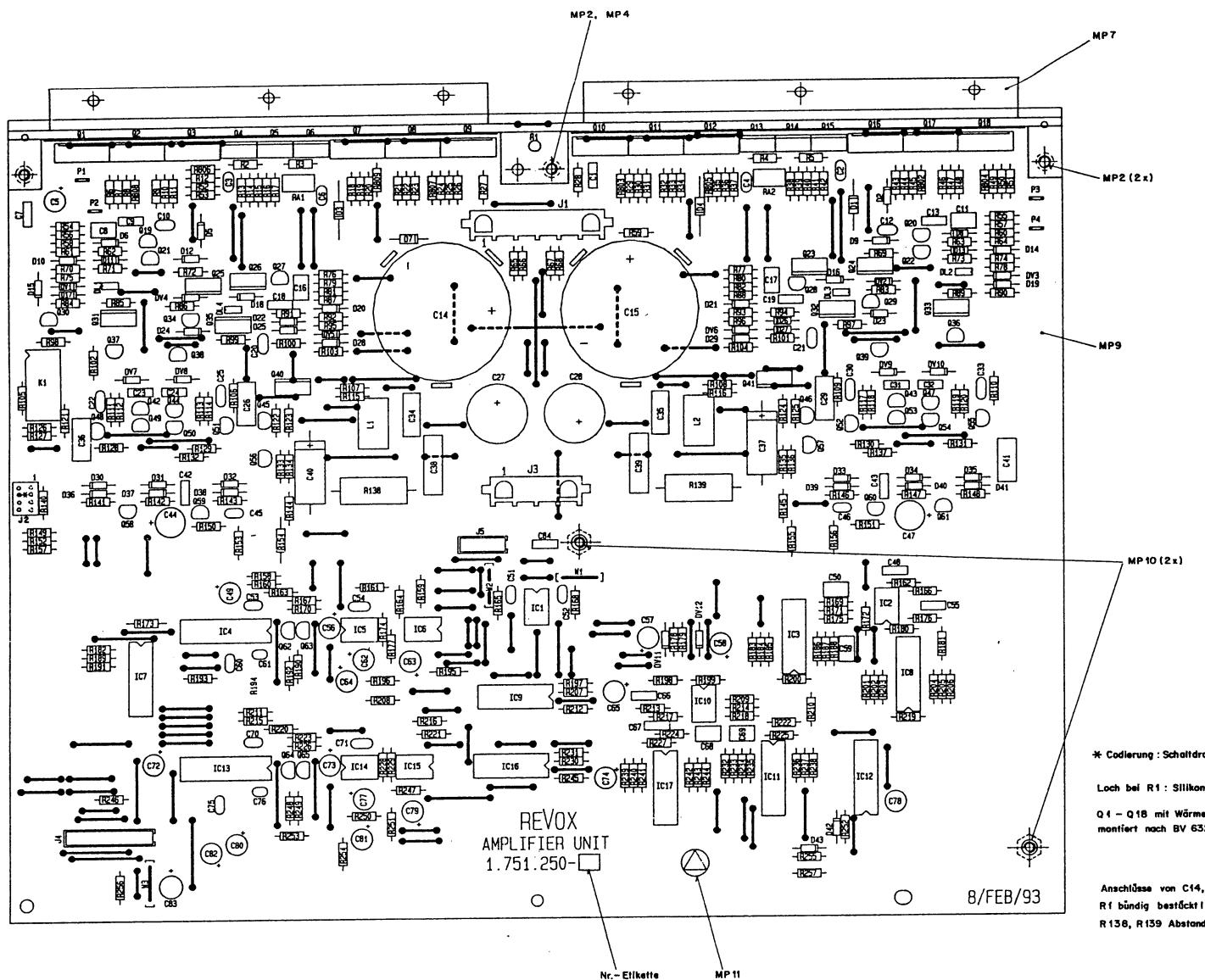
**REVOX**

## AMPLIFIER UNIT

SC 1.751.250-81



0 20/FEB/92 SID | PAGE 6 OF 6  
 REVOX EVOLUTION - AMPLIFIER  
 AMPLIFIER UNIT SC 1.751.250-81



\* Codierung : Schaltdraht 64.01.0108  $\pm$  0,8 x 8mm

Loch bei R1 : Silikonfett einfüllen

Q4 - Q16 mit Wärmeleitpaste montiert ①  
montiert nach BV 632 mit MP 1, 3, 5, 6

Anschlüsse von C14, C15 um 45° umbiegen  
RF bündig bestückt (nicht sicken) ①  
R136, R139 Abstand ab Print min.~5mm

Werkstatt:	Horn-Nr.:	Gute:	Aenderung:
DIN-Schl.:			22.493.2 Re
Abmessung:			
Zugehörige Unterlagen:			
PL, BV 632	Fremdreferenz:	Maßstab:	
	x	1,5 : 1	
Ersatz-Nr.:	Ersetzt durch:		
			Kopie-Nr.:
STUDER Wiesbaden	AMPLIFIER UNIT		1.751.250-81

## 1.751.250.81 AMPLIFIER BOARD 1/4

Ad	Pos.	Ref.No.	Description	C.	....81	59.22.5220	22u	-20/+50%	25V,	59.22-Q	
C....1		59.06.0104	100n	10%,	63V,	59.06-1	C....82	59.22.5220	22u	-20/+50%,	
C....2		59.32.1101	100p	10%,	400V,	59.32-1	C....83	59.22.3101	100u	-20/+50%,	
C....3		59.32.1101	100p	10%,	400V,	59.32-1	C....84	59.06.0104	100n	10%,	
C....4		59.32.1101	100p	10%,	400V,	59.32-1	C....85	50.04.0105	1N4004	D041,RECTIFIER	
C....5		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	C....86	50.04.0133	BAV20	D035,RECTIFIER	
C....6		59.32.1101	100p	10%,	400V,	59.32-1	C....87	50.04.0105	1N4004	D041,RECTIFIER	
C....7		59.06.0104	100n	10%,	63V,	59.06-1	C....88	50.04.0125	1N4448	D035,RECTIFIER	
C....8		59.06.0474	470n	10%,	63V,	59.06-3	C....89	50.04.0125	1N4448	D035,RECTIFIER	
C....9		59.06.0473	47n	10%,	63V,	59.06-1	C....90	50.04.0125	1N4448	D035,RECTIFIER	
C....10		59.32.1470	47p	10%,	400V,	59.32-1	C....91	50.04.0125	1N4448	D035,RECTIFIER	
C....11		59.06.0474	470n	10%,	63V,	59.06-3	C....92	50.04.0125	1N4448	D035,RECTIFIER	
C....12		59.32.1470	47p	10%,	400V,	59.32-1	C....93	50.04.0125	1N4448	D035,RECTIFIER	
C....13		59.06.0473	47n	10%,	63V,	59.06-1	C....94	50.04.0125	1N4448	D035,RECTIFIER	
C....14		59.35.6153	15000u	-20/+50%,	63V,	59.35-P	C....95	50.04.0125	1N4448	D035,RECTIFIER	
C....15		59.35.6153	15000u	-20/+50%,	63V,	59.35-P	C....96	50.04.0133	BAV20	D035,RECTIFIER	
C....16		59.06.0474	470n	10%,	63V,	59.06-3	C....97	50.04.0125	1N4448	D035,RECTIFIER	
C....17		59.06.0474	470n	10%,	63V,	59.06-3	C....98	50.04.0133	BAV20	D035,RECTIFIER	
C....18		59.06.0473	47n	10%,	63V,	59.06-1	C....99	50.04.0125	1N4448	D035,RECTIFIER	
C....19		59.06.0473	47n	10%,	63V,	59.06-1	C....100	50.04.0125	1N4448	D035,RECTIFIER	
C....20		59.32.1470	47p	10%,	400V,	59.32-1	C....101	50.04.0125	1N4448	D035,RECTIFIER	
C....21		59.32.1470	47p	10%,	400V,	59.32-1	C....102	50.04.0125	1N4448	D035,RECTIFIER	
C....22		59.34.4221	220p	5%,	63V,	59.34-3,	N750	C....103	50.04.0125	1N4448	D035,RECTIFIER
C....23		59.06.0104	100n	10%,	63V,	59.06-1	C....104	50.04.0125	1N4448	D035,RECTIFIER	
C....24		59.06.0104	100n	10%,	63V,	59.06-1	C....105	50.04.0125	1N4448	D035,RECTIFIER	
C....25		59.34.4221	220p	5%,	63V,	59.34-3,	N750	C....106	50.04.0125	1N4448	D035,RECTIFIER
C....26		59.02.2154	150n	5%,	100V,	59.05-5,	5*13	C....107	50.04.0125	1N4448	D035,RECTIFIER
C....27		59.22.9221	220u	-20/+50%,	100V,	59.22-L	C....108	50.04.0125	1N4448	D035,RECTIFIER	
C....28		59.22.9221	220u	-20/+50%,	100V,	59.22-L	C....109	50.04.0125	1N4448	D035,RECTIFIER	
C....29		59.02.2154	150n	5%,	100V,	59.05-5,	5*13	C....110	50.04.0125	1N4448	D035,RECTIFIER
C....30		59.34.4221	220p	5%,	63V,	59.34-3,	N750	C....111	50.04.0125	1N4448	D035,RECTIFIER
C....31		59.06.0104	100n	10%,	63V,	59.06-1	C....112	50.04.0125	1N4448	D035,RECTIFIER	
C....32		59.06.0104	100n	10%,	63V,	59.06-1	C....113	50.04.0125	1N4448	D035,RECTIFIER	
C....33		59.34.4221	220p	5%,	63V,	59.34-3,	N750	C....114	50.04.0125	1N4448	D035,RECTIFIER
C....34		59.05.6222	2n2	10%,	400V,	13*5*11	C....115	50.04.0125	1N4448	D035,RECTIFIER	
C....35		59.05.6222	2n2	10%,	400V,	13*5*11	C....116	50.04.0125	1N4448	D035,RECTIFIER	
C....36		59.02.2154	150n	5%,	100V,	5*13	C....117	50.04.0125	1N4448	D035,RECTIFIER	
C....37		59.25.7100	10u	20%,	100V,	9*19	C....118	50.04.0125	1N4448	D035,RECTIFIER	
C....38		59.05.6333	33n	10%,	400V,	18*5.5*11	C....119	50.04.0125	1N4448	D035,RECTIFIER	
C....39		59.05.6333	33n	10%,	400V,	18*5.5*11	C....120	50.04.0125	1N4448	D035,RECTIFIER	
C....40		59.25.7100	10u	20%,	100V,	9*19	C....121	50.04.0125	1N4448	D035,RECTIFIER	
C....41		59.02.2154	150n	5%,	100V,	59.05-5,	5*13	C....122	50.04.0125	1N4448	D035,RECTIFIER
C....42		59.06.5332	3n3	5%,	63V,	59.06-1	C....123	50.04.0125	1N4448	D035,RECTIFIER	
C....43		59.06.5332	3n3	5%,	63V,	59.06-1	C....124	50.04.0125	1N4448	D035,RECTIFIER	
C....44		59.22.3221	220u	-20/+50%,	10V,	59.22-A	N750	C....125	50.04.2703	MV54123	GRN DIP, 1.0MCD, LED
C....45		59.34.4151	150p	5%,	63V,	59.34-2,	N750	C....126	50.04.2703	MV54123	GRN DIP, 1.0MCD, LED
C....46		59.34.4151	150p	5%,	63V,	59.34-2,	N750	C....127	50.04.2703	MV54123	GRN DIP, 1.0MCD, LED
C....47		59.22.3221	220u	-20/+50%,	10V,	59.22-A	C....128	50.04.1116	22V	5%, 0.5W, D035, ZENER	
C....48		59.06.5152	1n5	5%,	63V,	59.06-1	C....129	50.04.1116	5.1V	5%, 0.5W, D035, ZENER	
C....49		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	C....130	50.04.1116	22V	5%, 0.5W, D035, ZENER	
C....50		59.06.5474	470n	5%,	63V,	59.06-3	C....131	50.04.1116	5.1V	5%, 0.5W, D035, ZENER	
C....51		59.34.4101	100p	5%,	63V,	59.34-2,	N750	C....132	50.04.1116	22V	5%, 0.5W, D035, ZENER
C....52		59.34.4101	100p	5%,	63V,	59.34-2,	N750	C....133	50.04.1116	22V	5%, 0.5W, D035, ZENER
C....53		59.34.4101	100p	5%,	63V,	59.34-2,	N750	C....134	50.04.1116	22V	5%, 0.5W, D035, ZENER
C....54		59.34.5471	470p	5%,	63V,	59.34-4,	N1500	C....135	50.04.1102	6.8V	5%, 0.5W, D035, ZENER
C....55		59.06.5102	1n	5%,	63V,	59.06-1	C....136	50.04.1102	6.8V	5%, 0.5W, D035, ZENER	
C....56		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	C....137	50.04.1102	6.8V	5%, 0.5W, D035, ZENER	
C....57		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	C....138	50.04.1102	6.8V	5%, 0.5W, D035, ZENER	
C....58		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	C....139	50.04.1102	6.8V	5%, 0.5W, D035, ZENER	
C....59		59.06.5334	330n	5%,	63V,	59.06-3	C....140	50.04.1102	6.8V	5%, 0.5W, D035, ZENER	
C....60		59.34.4101	100p	5%,	63V,	59.34-2,	N750	C....141	50.09.0117	MC33078	DIP08, DUAL LINEAR OPAMP
C....61		59.34.1100	10p	5%,	63V,	59.34-1,	NPO	C....142	50.09.0117	MC33078	DIP08, DUAL LINEAR OPAMP
C....62		59.22.3470	47u	-20/+50%,	10V,	59.22-Q	C....143	50.07.0051	4051	DIP16, 8-CHANNEL ANALOG MUX/DEMU	
C....63		59.22.3101	100u	-20/+50%,	10V,	59.22-R	C....144	50.07.0037	AD7528	DIP20, D/A CONV. 8BIT DUAL MP	
C....64		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	C....145	50.09.0106	5532AN	DIP08, LINEAR OPAMP DUAL	
C....65		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	C....146	50.09.0117	MC33078	DIP08, DUAL LINEAR OPAMP	
C....66		59.06.5152	1n5	5%,	63V,	59.06-1	C....147	50.07.0018	HEF4094	DIP16, SHIFT AND STORE BUS REG.	
C....67		59.06.5102	1n	5%,	63V,	59.06-1	C....148	50.07.0051	4051	DIP16, 8-CHANNEL ANALOG MUX/DEMU	
C....68		59.06.5474	470n	5%,	63V,	59.06-1	C....149	50.07.0015	HEF4053B	DIP16, TRIP. 2-CH. ANA. MUX/DEMU	
C....69		59.06.5334	330n	5%,	63V,	59.06-3	C....150	50.09.0117	MC33078	DIP08, DUAL LINEAR OPAMP	
C....70		59.34.4101	100p	5%,	63V,	59.34-2,	N750	C....151	50.07.0051	4051	DIP16, 8-CHANNEL ANALOG MUX/DEMU
C....71		59.34.5471	470p	5%,	63V,	59.34-4,	N1500	C....152	50.07.0018	HEF4094	DIP16, SHIFT AND STORE BUS REG.
C....72		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	C....153	50.07.0037	AD7528	DIP20, D/A CONV. 8BIT DUAL MP	
C....73		59.22.3470	47u	-20/+50%,	10V,	59.22-Q	C....154	50.09.0106	5532AN	DIP08, LINEAR OPAMP DUAL	
C....74		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	C....155	50.09.0117	MC33078	DIP08, DUAL LINEAR OPAMP	
C....75		59.34.4101	100p	5%,	63V,	59.34-2,	N750	C....156	50.07.0015	HEF4053B	DIP16, TRIP. 2-CH. ANA. MUX/DEMU
C....76		59.34.1100	10p	5%,	63V,	59.34-1,	NPO	C....157	50.07.0051	4051	DIP16, 8-CHANNEL ANALOG MUX/DEMU
C....77		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	J....1	54.25.0006	6-P	12A,POWER CONN. AMP 826 850-3	
C....78		59.05.2101	100p	2.5%	630V,	59.05-1	J....2	54.01.0241	4-P	RM2.5,CIS-CONN.TOP AMP 163 680-2	
C....79		59.22.3101	100u	-20/+50%,	10V,	59.22-R	J....3	54.25.0004	4-P	16A,POWER CONN. AMP 826 848-3	
C....80		59.22.5220	22u	-20/+50%,	25V,	59.22-Q	J....4	54.14.5520	20-P	VERT,MICRO-MATCH AMP 2-215 0793	

## I.751.250.81 AMPLIFIER BOARD 2/4

J.....5	00.00.0000	not used			Q....49	50.03.0524	BC550	NPN,	T092-1, matched with Q42
K.....1	56.04.0161	2*2U	24V,RELAY ZETTLER AZ 820-2C-24DE		Q....50	50.03.0600	BC560M	PNP,	T092-1, matched with Q44
L.....1	1.745.260.03	1.5uH	10%,OUTPUT COIL, AIR		Q....51	50.03.0553	BF422	NPN,	T092-4
L.....2	1.745.260.03	1.5uH	10%,OUTPUT COIL, AIR		Q....52	50.03.0553	BF422	NPN,	T092-4
MP....1	21.46.0356	14 PCS	SCREW M3 * 10 SYSTEM TAPITITE		Q....53	50.03.0600	BC560M	PNP,	T092-1, matched with Q43
MP....2	21.48.0354	3 PCS	SCREW M3 * 8 SYSTEM TAPITITE		Q....54	50.03.0524	BC550	NPN,	T092-1, matched with Q47
MP....3	37.01.0101	28 PCS	SPRING WASHER D3.2 / 8		Q....55	50.03.0627	BF423	PNP,	T092-4
MP....4	24.16.2030	1 PCS	SERRAT LOCK WASHER M 3		Q....56	50.03.0627	BF423	PNP,	T092-4
MP....5	50.20.0404	6 PCS	INSULATING BUSH		Q....57	50.03.0553	BF422	NPN,	T092-4
01 MP....5	00.00.0000	not used			Q....58	50.03.0553	BF422	NPN,	T092-4
MP....6	1.010.098.27	6 PCS	WASHER	ST	Q....59	50.03.0627	BF423	PNP,	T092-4
MP....7	1.751.250.02	1 PCE	COOLING PLATE	ST	Q....60	50.03.0627	BF423	PNP,	T092-4
MP....8	1.745.260.02	2 PCS	HEAT CONDUCTOR	ST	Q....61	50.03.0553	BF422	NPN,	T092-4
01 MP....8	00.00.0000	not used			Q....62	50.03.0215	2SK170	NFET,	T092-7
MP....9	1.751.250.13	1 PCE	AMPLIFIER PCB	ST	Q....63	50.03.0215	2SK170	NFET,	T092-7
MP....10	1.010.014.22	2 PCS	RIVET-NUT M3 * 4.5 mm	ST	Q....64	50.03.0215	2SK170	NFET,	T092-7
MP....11	43.01.0108	1 PCS	ESE WARNING LABEL	ST	Q....65	50.03.0215	2SK170	NFET,	T092-7
P....1	54.02.0320	1-P	STR., MALE, 54020320,FLATPIN 2		R....1	57.99.0800	100k	258, R-NTC PHILIPS 2322 640 63 104	
P....2	54.02.0320	1-P	STR., MALE, 54020320,FLATPIN 2		R....2	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
P....3	54.02.0320	1-P	STR., MALE, 54020320,FLATPIN 2		R....3	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
P....4	54.02.0320	1-P	STR., MALE, 54020320,FLATPIN 2		R....4	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
Q....1	50.03.0517	2SC3012	NPN, B65-1		R....5	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
01 Q....1	50.03.0903	2SC4388	NPN,	SANKEN	R....6	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....2	00.00.0000	not used			R....7	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....3	50.03.0517	2SC3012	NPN, B65-1		R....8	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
01 Q....3	50.03.0903	2SC4388	NPN,	SANKEN	R....9	00.00.0000	not used		
Q....4	50.03.0776	2SC2238	NPN, TO220-1		R....10	00.00.0000	not used		
01 Q....4	50.03.0804	2SC4793	NPN,	To	R....11	00.00.0000	not used		
Q....5	50.03.0776	2SC2238	NPN, TO220-1		R....12	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
01 Q....5	50.03.0804	2SC4793	NPN,	To	R....13	57.19.0151	150E	5\$, 0.33W, 0207, R-FUSE	
Q....6	50.03.0801	2SA968	PNP, TO220-1		R....14	57.19.0151	150E	5\$, 0.33W, 0207, R-FUSE	
01 Q....6	50.03.0853	2SA1837	PNP,	To	R....15	57.19.0182	1k8	5\$, 0.33W, 0207, R-FUSE	
Q....7	50.03.0518	2SA1232	PNP, B65-1		R....16	57.19.0470	47E	5\$, 0.33W, 0207, R-FUSE	
01 Q....7	50.03.0953	2SA1673	PNP,	SANKEN	R....17	57.19.0471	470E	5\$, 0.33W, 0207, R-FUSE	
Q....8	00.00.0000	not used			R....18	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....9	50.03.0518	2SA1232	PNP, B65-1		R....19	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
01 Q....9	50.03.0953	2SA1673	PNP,	SANKEN	R....20	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....10	50.03.0518	2SA1232	PNP, B65-1		R....21	00.00.0000	not used		
Q....11	00.00.0000	not used			R....22	00.00.0000	not used		
Q....12	50.03.0518	2SA1232	PNP, B65-1		R....23	00.00.0000	not used		
01 Q....12	50.03.0953	2SA1673	PNP,	SANKEN	R....24	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....13	50.03.0801	2SA968	PNP, TO220-1		R....25	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
01 Q....13	50.03.0853	2SA1837	PNP,	To	R....26	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....14	50.03.0776	2SC2238	NPN, TO220-1		R....27	57.11.3223	22k	1\$, 0.6W, 0207, MF	
01 Q....14	50.03.0804	2SC4793	NPN,	To	R....28	57.11.3339	3E3	1\$, 0.6W, 0207, MF	
Q....15	50.03.0776	2SC2238	NPN, TO220-1		R....29	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
01 Q....15	50.03.0804	2SC4793	NPN,	To	R....30	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....16	50.03.0517	2SC3012	NPN, B65-1		R....31	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
01 Q....16	50.03.0903	2SC4388	NPN,	SANKEN	R....32	00.00.0000	not used		
Q....17	00.00.0000	not used			R....33	00.00.0000	not used		
Q....18	50.03.0517	2SC3012	NPN, B65-1		R....34	00.00.0000	not used		
01 Q....18	50.03.0903	2SC4388	NPN,	SANKEN	R....35	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....19	50.03.0524	BC550	NPN, TO92-1,		R....36	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....20	50.03.0524	BC550	NPN, TO92-1,		R....37	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....21	50.03.0600	BC560M	PNP, TO92-1,		R....38	57.19.0471	470E	5\$, 0.33W, 0207, R-FUSE	
Q....22	50.03.0600	BC560M	PNP, TO92-1,		R....39	57.19.0470	47E	5\$, 0.33W, 0207, R-FUSE	
Q....23	50.03.0801	2SA968	PNP, TO220-1		R....40	57.19.0182	1k8	5\$, 0.33W, 0207, R-FUSE	
Q....24	50.03.0776	2SC2238	NPN, TO220-1		R....41	57.19.0151	150E	5\$, 0.33W, 0207, R-FUSE	
Q....25	50.03.0776	2SC2238	NPN, TO220-1		R....42	57.19.0151	150E	5\$, 0.33W, 0207, R-FUSE	
Q....26	50.03.0801	2SA968	PNP, TO220-1		R....43	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....27	50.03.0600	BC560M	PNP, TO92-1,		R....44	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....28	50.03.0600	BC560M	PNP, TO92-1,		R....45	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....29	50.03.0524	BC550	NPN, TO92-1,		R....46	00.00.0000	not used		
Q....30	50.03.0515	BC307B	PNP, TO92-1		R....47	00.00.0000	not used		
Q....31	50.03.0801	2SA968	PNP, TO220-1		R....48	00.00.0000	not used		
Q....32	50.03.0776	2SC2238	NPN, TO220-1		R....49	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....33	50.03.0801	2SA968	PNP, TO220-1		R....50	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....34	50.03.0524	BC550	NPN, TO92-1,		R....51	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....35	50.03.0776	2SC2238	NPN, TO220-1		R....52	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....36	50.03.0553	BF422	PNP, TO92-4		R....53	57.19.0109	1E	5\$, 0.33W, 0207, R-FUSE	
Q....37	50.03.0553	BF422	PNP, TO92-4		R....54	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
Q....38	50.03.0627	BF423	PNP, TO92-4		R....55	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
Q....39	50.03.0627	BF423	PNP, TO92-4		R....56	57.19.0102	1k	5\$, 0.33W, 0207, R-FUSE	
Q....40	50.03.0801	2SA968	PNP, TO220-1		R....57	57.19.0102	1k	5\$, 0.33W, 0207, R-FUSE	
Q....41	50.03.0776	2SC2238	PNP, TO220-1		R....58	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
Q....42	50.03.0524	BC550	PNP, TO92-1, matched with Q49		R....59	57.11.3223	22k	1\$, 0.6W, 0207, MF	
Q....43	50.03.0600	BC560M	PNP, TO92-1, matched with Q53		R....60	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
Q....44	50.03.0600	BC560M	PNP, TO92-1, matched with Q50		R....61	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
Q....45	50.03.0551	BC639	NPN, TO92-4		R....62	57.11.3102	1k	1\$, 0.6W, 0207, MF	
Q....46	50.03.0626	BC640	PNP, TO92-4		R....63	57.11.3102	1k	1\$, 0.6W, 0207, MF	
Q....47	50.03.0524	BC550	PNP, TO92-1, matched with Q54		R....64	57.19.0101	100E	5\$, 0.33W, 0207, R-FUSE	
Q....48	50.03.0627	BF423	PNP, TO92-4		R....65	57.11.3153	15k	1\$, 0.6W, 0207, MF	
					R....66	57.11.3153	15k	1\$, 0.6W, 0207, MF	
					R....67	57.11.3153	15k	1\$, 0.6W, 0207, MF	

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R....68	57.11.3153	15k	1%, 0.6W,	0207, MF	R....150	57.11.3432	4k3	1%, 0.6W,	0207, MF
R....69	57.19.0151	150E	5%, 0.33W,	0207, R-FUSE	R....151	57.11.3432	4k3	1%, 0.6W,	0207, MF
R....70	57.11.3332	3k3	1%, 0.6W,	0207, MF	R....152	57.11.3271	270E	1%, 0.6W,	0207, MF
R....71	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....153	57.11.3471	470E	1%, 0.6W,	0207, MF
R....72	57.19.0151	150E	5%, 0.33W,	0207, R-FUSE	R....154	57.11.3473	47k	1%, 0.6W,	0207, MF
R....73	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....155	57.11.3473	47k	1%, 0.6W,	0207, MF
R....74	57.11.3332	3k3	1%, 0.6W,	0207, MF	R....156	57.11.3471	470E	1%, 0.6W,	0207, MF
R....75	57.11.3622	6k2	1%, 0.6W,	0207, MF	R....157	57.11.3271	270E	1%, 0.6W,	0207, MF
R....76	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....158	57.11.3103	10k	1%, 0.6W,	0207, MF
R....77	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....159	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....78	57.11.3622	6k2	1%, 0.6W,	0207, MF	R....160	57.11.3471	470E	1%, 0.6W,	0207, MF
R....79	57.19.0102	1k	5%, 0.33W,	0207, R-FUSE	R....161	57.11.3392	3k9	1%, 0.6W,	0207, MF
R....80	57.19.0102	1k	5%, 0.33W,	0207, R-FUSE	R....162	57.11.3333	33k	1%, 0.6W,	0207, MF
R....81	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....163	57.11.3332	3k3	1%, 0.6W,	0207, MF
R....82	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....164	57.11.3123	12k	1%, 0.6W,	0207, MF
R....83	57.11.3223	22k	1%, 0.6W,	0207, MF	R....165	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....84	57.11.3392	3k9	1%, 0.6W,	0207, MF	R....166	57.11.3622	6k2	1%, 0.6W,	0207, MF
R....85	57.11.3223	22k	1%, 0.6W,	0207, MF	R....167	57.11.3101	100E	1%, 0.6W,	0207, MF
R....86	57.11.3223	22k	1%, 0.6W,	0207, MF	R....168	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....87	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....169	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....88	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....170	57.11.3101	100E	1%, 0.6W,	0207, MF
R....89	57.11.3223	22k	1%, 0.6W,	0207, MF	R....171	57.11.3333	33k	1%, 0.6W,	0207, MF
R....90	57.11.3392	3k9	1%, 0.6W,	0207, MF	R....172	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....91	57.11.3102	1k	1%, 0.6W,	0207, MF	R....173	57.11.3472	4k7	1%, 0.6W,	0207, MF
R....92	57.11.3332	3k3	1%, 0.6W,	0207, MF	R....174	57.11.3123	12k	1%, 0.6W,	0207, MF
R....93	57.11.3332	3k3	1%, 0.6W,	0207, MF	R....175	57.11.3302	3k	1%, 0.6W,	0207, MF
R....94	57.11.3102	1k	1%, 0.6W,	0207, MF	R....176	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....95	57.11.3622	6k2	1%, 0.6W,	0207, MF	R....177	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....96	57.11.3622	6k2	1%, 0.6W,	0207, MF	R....178	57.11.3102	1k	1%, 0.6W,	0207, MF
R....97	57.19.0151	150E	5%, 0.33W,	0207, R-FUSE	R....179	57.11.3102	1k	1%, 0.6W,	0207, MF
R....98	57.11.3273	27k	1%, 0.6W,	0207, MF	R....180	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....99	57.19.0151	150E	5%, 0.33W,	0207, R-FUSE	R....181	57.11.3105	1M	1%, 0.6W,	0207, MF
R....100	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....182	57.11.3103	10k	1%, 0.6W,	0207, MF
R....101	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....183	57.11.3102	1k	1%, 0.6W,	0207, MF
R....102	57.19.0331	330E	5%, 0.33W,	0207, R-FUSE	R....184	57.11.3821	820E	1%, 0.6W,	0207, MF
R....103	57.11.3392	3k9	1%, 0.6W,	0207, MF	R....185	57.11.3122	1k2	1%, 0.6W,	0207, MF
R....104	57.11.3392	3k9	1%, 0.6W,	0207, MF	R....186	57.11.3122	1k2	1%, 0.6W,	0207, MF
R....105	57.11.3431	430E	1%, 0.6W,	0207, MF	R....187	57.11.3102	1k	1%, 0.6W,	0207, MF
R....106	57.19.0331	330E	5%, 0.33W,	0207, R-FUSE	R....188	57.11.3821	820E	1%, 0.6W,	0207, MF
R....107	57.11.3220	22E	1%, 0.6W,	0207, MF	R....189	57.11.3103	10k	1%, 0.6W,	0207, MF
R....108	57.11.3220	22E	1%, 0.6W,	0207, MF	R....190	57.11.3221	220E	1%, 0.6W,	0207, MF
R....109	57.19.0331	330E	5%, 0.33W,	0207, R-FUSE	R....191	57.11.3103	10k	1%, 0.6W,	0207, MF
R....110	57.19.0331	330E	5%, 0.33W,	0207, R-FUSE	R....192	57.11.3221	220E	1%, 0.6W,	0207, MF
R....111	57.11.3242	2k4	1%, 0.6W,	0207, MF	R....193	57.11.3103	10k	1%, 0.6W,	0207, MF
R....112	57.11.3332	3k3	1%, 0.6W,	0207, MF	R....194	57.11.3103	10k	1%, 0.6W,	0207, MF
R....113	57.11.3332	3k3	1%, 0.6W,	0207, MF	R....195	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....114	57.11.3242	2k4	1%, 0.6W,	0207, MF	R....196	57.11.3472	4k7	1%, 0.6W,	0207, MF
R....115	57.11.3220	22E	1%, 0.6W,	0207, MF	R....197	57.11.3473	47k	1%, 0.6W,	0207, MF
R....116	57.11.3220	22E	1%, 0.6W,	0207, MF	R....198	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....117	57.11.3242	2k4	1%, 0.6W,	0207, MF	R....199	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....118	57.11.3332	3k3	1%, 0.6W,	0207, MF	R....200	57.11.3272	2k7	1%, 0.6W,	0207, MF
R....119	57.11.3332	3k3	1%, 0.6W,	0207, MF	R....201	57.11.3102	1k	1%, 0.6W,	0207, MF
R....120	57.11.3242	2k4	1%, 0.6W,	0207, MF	R....202	57.11.3821	820E	1%, 0.6W,	0207, MF
R....121	57.11.3431	430E	1%, 0.6W,	0207, MF	R....203	57.11.3122	1k2	1%, 0.6W,	0207, MF
R....122	57.11.3472	4k7	1%, 0.6W,	0207, MF	R....204	57.11.3122	1k2	1%, 0.6W,	0207, MF
R....123	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....205	57.11.3102	1k	1%, 0.6W,	0207, MF
R....124	57.19.0101	100E	5%, 0.33W,	0207, R-FUSE	R....206	57.11.3821	820E	1%, 0.6W,	0207, MF
R....125	57.11.3472	4k7	1%, 0.6W,	0207, MF	R....207	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....126	57.11.3271	270E	1%, 0.6W,	0207, MF	R....208	57.11.3152	1k5	1%, 0.6W,	0207, MF
R....127	57.11.3271	270E	1%, 0.6W,	0207, MF	R....209	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....128	57.11.3223	22k	1%, 0.6W,	0207, MF	R....210	57.11.3105	1M	1%, 0.6W,	0207, MF
R....129	57.11.3223	22k	1%, 0.6W,	0207, MF	R....211	57.11.3103	10k	1%, 0.6W,	0207, MF
R....130	57.11.3223	22k	1%, 0.6W,	0207, MF	R....212	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....131	57.11.3223	22k	1%, 0.6W,	0207, MF	R....213	57.11.3333	33k	1%, 0.6W,	0207, MF
R....132	57.11.3473	47k	1%, 0.6W,	0207, MF	R....214	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....133	57.11.3223	22k	1%, 0.6W,	0207, MF	R....215	57.11.3471	470E	1%, 0.6W,	0207, MF
R....134	57.11.3103	10k	1%, 0.6W,	0207, MF	R....216	57.11.3392	3k9	1%, 0.6W,	0207, MF
R....135	57.11.3103	10k	1%, 0.6W,	0207, MF	R....217	57.11.3622	6k2	1%, 0.6W,	0207, MF
R....136	57.11.3223	22k	1%, 0.6W,	0207, MF	R....218	57.11.3302	3k	1%, 0.6W,	0207, MF
R....137	57.11.3473	47k	1%, 0.6W,	0207, MF	R....219	57.11.3272	2k7	1%, 0.6W,	0207, MF
R....138	57.56.5100	10E	10%, 4W,	57.56-H, R-WW	R....220	57.11.3332	3k3	1%, 0.6W,	0207, MF
R....139	57.56.5100	10E	10%, 4W,	57.56-H, R-WW	R....221	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....140	57.11.3271	270E	1%, 0.6W,	0207, MF	R....222	57.11.3105	1M	1%, 0.6W,	0207, MF
R....141	57.11.3242	2k4	1%, 0.6W,	0207, MF	R....223	57.11.3101	100E	1%, 0.6W,	0207, MF
R....142	57.11.3181	180E	1%, 0.6W,	0207, MF	R....224	57.11.3105	1M	1%, 0.6W,	0207, MF
R....143	57.11.3242	2k4	1%, 0.6W,	0207, MF	R....225	57.11.3272	2k7	1%, 0.6W,	0207, MF
R....144	57.11.3103	10k	1%, 0.6W,	0207, MF	R....226	57.11.3101	100E	1%, 0.6W,	0207, MF
R....145	57.11.3103	10k	1%, 0.6W,	0207, MF	R....227	57.11.3272	2k7	1%, 0.6W,	0207, MF
R....146	57.11.3242	2k4	1%, 0.6W,	0207, MF	R....228	57.11.3123	12k	1%, 0.6W,	0207, MF
R....147	57.11.3181	180E	1%, 0.6W,	0207, MF	R....229	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....148	57.11.3242	2k4	1%, 0.6W,	0207, MF	R....230	57.11.3562	5k6	1%, 0.6W,	0207, MF
R....149	57.11.3271	270E	1%, 0.6W,	0207, MF	R....231	57.11.3473	47k	1%, 0.6W,	0207, MF
					R....232	57.11.3333	33k	1%, 0.6W,	0207, MF
					R....233	57.11.3821	820E	1%, 0.6W,	0207, MF

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R...234	57.11.3102	1k	1%	0.6W,	0207,	MF
R...235	57.11.3122	1k2	1%	0.6W,	0207,	MF
R...236	57.11.3122	1k2	1%	0.6W,	0207,	MF
R...237	57.11.3821	820E	1%	0.6W,	0207,	MF
R...238	57.11.3102	1k	1%	0.6W,	0207,	MF
R...239	57.11.3102	1k	1%	0.6W,	0207,	MF
R...240	57.11.3821	820E	1%	0.6W,	0207,	MF
R...241	57.11.3122	1k2	1%	0.6W,	0207,	MF
R...242	57.11.3122	1k2	1%	0.6W,	0207,	MF
R...243	57.11.3821	820E	1%	0.6W,	0207,	MF
R...244	57.11.3102	1k	1%	0.6W,	0207,	MF
R...245	57.11.3562	5k6	1%	0.6W,	0207,	MF
R...246	57.11.3472	4k7	1%	0.6W,	0207,	MF
R...247	57.11.3562	5k6	1%	0.6W,	0207,	MF
R...248	57.11.3221	220E	1%	0.6W,	0207,	MF
R...249	57.11.3221	220E	1%	0.6W,	0207,	MF
R...250	57.11.3472	4k7	1%	0.6W,	0207,	MF
R...251	57.11.3123	12k	1%	0.6W,	0207,	MF
R...252	57.11.3332	3k3	1%	0.6W,	0207,	MF
R...253	57.11.3152	1k5	1%	0.6W,	0207,	MF
R...254	57.11.3103	10k	1%	0.6W,	0207,	MF
R...255	57.11.3103	10k	1%	0.6W,	0207,	MF
R...256	57.11.3103	10k	1%	0.6W,	0207,	MF
R...257	57.11.3472	4k7	1%	0.6W,	0207,	MF
R...802	57.19.0109	1E0	5%	0.33W,	0207,	R-FUSE
R...803	57.19.0109	1E0	5%	0.33W,	0207,	R-FUSE
R...804	57.19.0109	1E0	5%	0.33W,	0207,	R-FUSE
R...805	57.19.0109	1E0	5%	0.33W,	0207,	R-FUSE
R...806	57.19.0109	1E0	5%	0.33W,	0207,	R-FUSE
R...807	57.19.0109	1E0	5%	0.33W,	0207,	R-FUSE
R...808	57.19.0109	1E0	5%	0.33W,	0207,	R-FUSE
R...809	57.19.0109	1E0	5%	0.33W,	0207,	R-FUSE
RA....1	58.01.9102	1k	10%	0.5W,	3/8",	VERT.
RA....2	58.01.9102	1k	10%	0.5W,	3/8",	VERT.
W....1	64.01.0106	10 mm	,	WIRE JUMPER		
W....2	64.01.0106	10 mm	,	WIRE JUMPER		
W....3	64.01.0106	10 mm	,	WIRE JUMPER		

sid93/02/0800  
sid93/04/2201

MF= Metal Film    Si= Silicon    El= Electrolytic  
 Cer= Ceramic    PETP= Polyester SAI= Solid Aluminum  
 PP= Polypropylen

MANUFACTURER: ST= STUDER

MATCHED PAIRS: DIFFERENCE OF VBE < 5mV

END

**I.751.260.00 SPEAKER TERMINAL**

Ad ...Pos.. ...Ref.No... Description .....

C.....1	59.32.1471	470p	,	10%,	400V,	59.32-1
C.....2	59.32.1471	470p	,	10%,	400V,	59.32-1
C.....3	59.32.1471	470p	,	10%,	400V,	59.32-1
C.....4	59.32.1471	470p	,	10%,	400V,	59.32-1
C.....5	59.06.0104	100n	,	10%,	63V,	59.06-1
C.....6	59.06.0104	100n	,	10%,	63V,	59.06-1
C.....7	59.06.0103	10n	,	10%,	63V,	59.06-1
C.....8	59.06.0103	10n	,	10%,	63V,	59.06-1
D.....1	50.04.0125	1N4448	,	D035,RECTIFIER		
D.....2	50.04.0125	1N4448	,	D035,RECTIFIER		
K.....1	56.04.0132	4*A	,	POL.,RELAY 24V	SDS S4-24V	
K.....2	56.04.0132	4*A	,	POL.,RELAY 24V	SDS S4-24V	
MP....1	1.751.220.08	1 PCE	CONN. CABLE SPEAKER TERMINAL		ST	
MP....2	1.751.260.01	1 PCE	CONN. CABLE SPEAKER CONTROL		ST	
MP....3	1.751.260.11	1 PCE	SPEAKER TERMINAL PCB		ST	
R....1	57.11.3102	1k	,	1%,	0.6W,	0207,
R....2	57.11.3102	1k	,	1%,	0.6W,	0207,
W....10	64.01.0106	15.24mm	,	0.60MM,WIRE BRIDGE		

sid92/02/0300

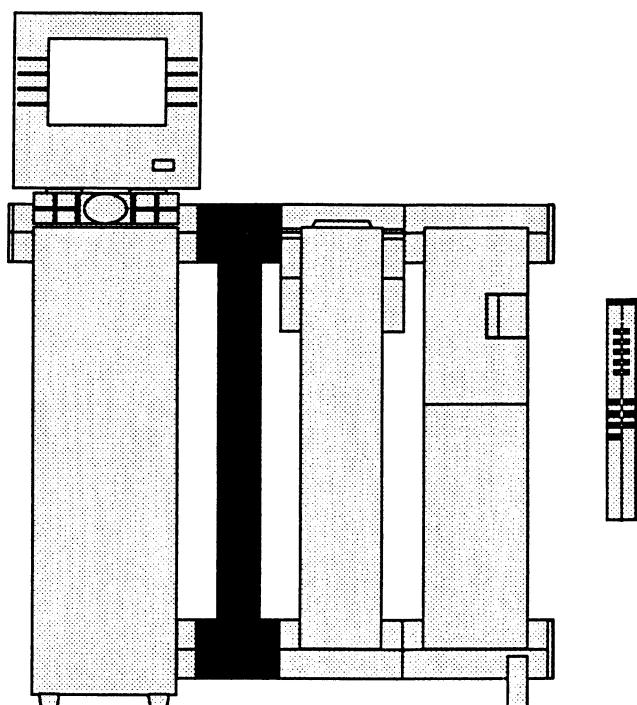
MF= Metal Film

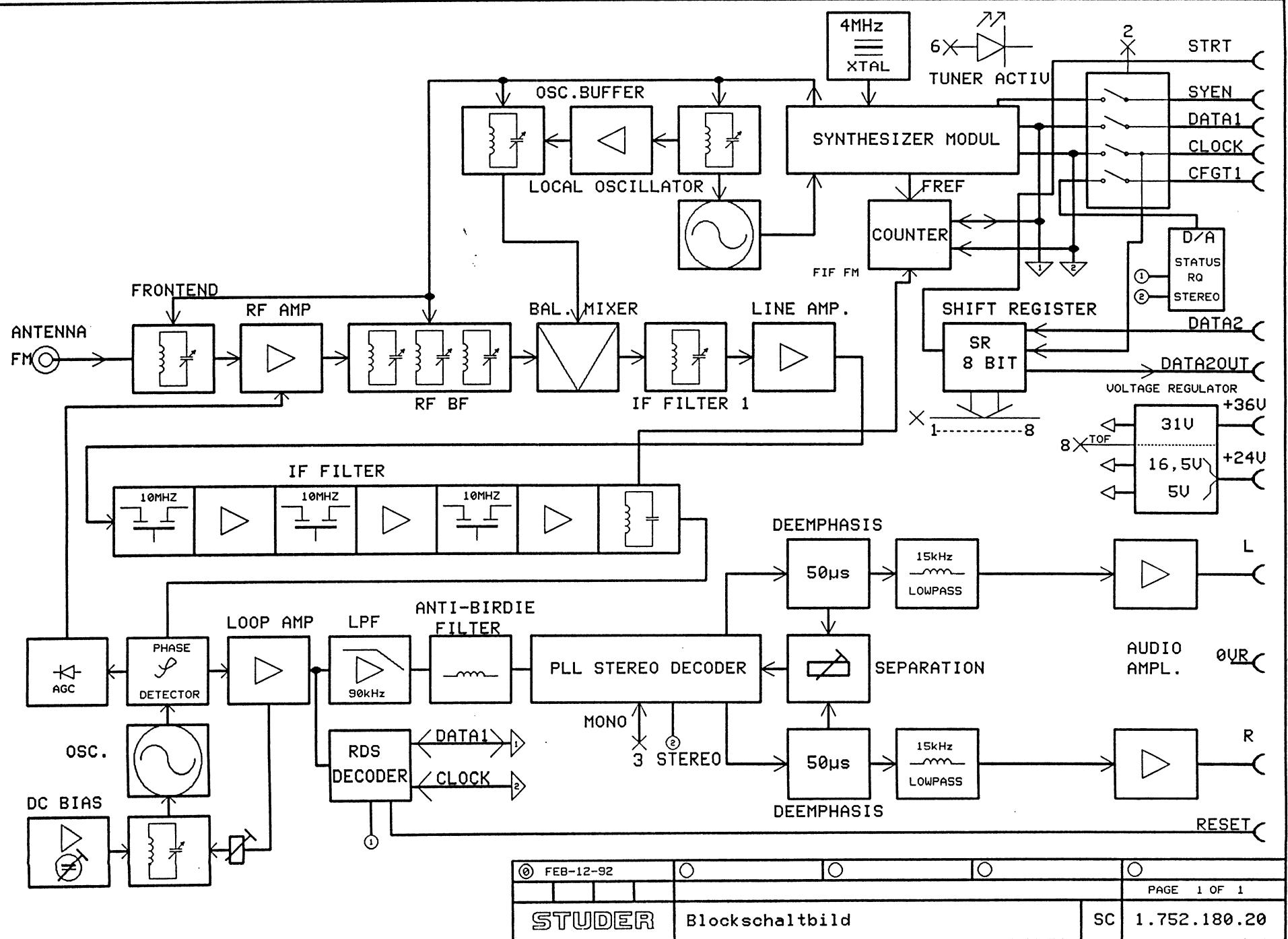
MANUFACTURER: ST= STUDER REVOX

END

**Schemata FM-Tuner****Schematic diagrams FM-Tuner****Schémas du Tuner FM**

Block diagram	1.752.180.20
FM-Tuner unit	1.752.180.20
FM-Tuner unit	1.752.180.21
Interconnection unit top	1.752.230.00
Interconnection unit bottom	1.752.240.00





## 1.752.180.20 FM-TUNER UNIT I/4

Ad ..Pos... ...Ref.No... Description .....

C...100	59.18.0109	1.4-5.5p		100V	TRI	Ph,A	C...511	59.06.0334	330n	10%	63V	PETP
C...101	59.34.3189	1p8	2%	63V	CER	P 100	C...512	59.06.0333	33n	10%	63V	PETP
C...102	59.34.3189	1p8	2%	63V	CER	P 100	C...513	59.06.0104	100n	10%	63V	PETP
C...103	59.18.0109	1.4-5.5p		100V	TRI	Ph,A	C...514	59.22.5101	100u	-20/+50%	25V	EL
C...104	59.18.0109	1.4-5.5p		100V	TRI	Ph,A	C...515	59.22.8229	2u2	-20/+50%	50V	EL
C...105	59.34.1120	12p	5%	63V	CER	NP 0	C...516	59.05.1332	3n3	1%	160V	PP
C...106	59.32.4102	1n	20%	50V	CER		C...517	59.34.4271	270p	5%	63V	CER N 750
C...107	59.32.4471	470p	20%	50V	CER		C...519	59.34.4271	270p	5%	63V	CER N 750
C...108	59.32.4102	1n	20%	50V	CER		C...520	59.05.1332	3n3	1%	160V	PP
C...109	59.32.3103	10n	20%	40V	CER		C...521	59.22.6220	22u	-20/+50%	35V	EL
C...110	59.32.3103	10n	20%	40V	CER		C...524	59.34.4220	22p	5%	63V	NP 0
C...111	59.32.4471	470p	20%	50V	CER		C...600	59.06.0103	10n	10%	40V	PETP
C...112	59.32.3103	10n	20%	40V	CER		C...602	59.22.8109	1u	-20/+50%	50V	EL
C...113	59.32.4102	1n	20%	50V	CER		C...605	59.22.8109	1u	-20/+50%	50V	EL
C...115	59.18.0109	1.4-5.5p		100V	TRI	Ph,A	C...606	59.22.8109	1u	-20/+50%	50V	EL
C...116	59.34.1689	6p8	5%	63V	CER	NP 0	C...607	59.06.0103	10n	10%	40V	PETP
C...117	59.32.4102	1n	20%	50V	CER		C...608	59.22.8109	1u	-20/+50%	50V	EL
C...118	59.22.6220	22u	-20/+50%	35V	EL		C...611	59.22.8109	1u	-20/+50%	50V	EL
C...119	59.32.3103	10n	20%	40V	CER		C...612	59.22.8109	1u	-20/+50%	50V	EL
C...130	59.32.3103	10n	20%	40V	CER		C...613	59.22.8109	1u	-20/+50%	50V	EL
C...200	59.32.4471	470p	20%	50V	CER		C...650	59.06.0104	100n	10%	63V	PETP
C...201	59.32.3103	10n	20%	40V	CER		C...651	59.06.0104	100n	10%	63V	PETP
C...202	59.32.3103	10n	20%	40V	CER		C...700	59.32.3103	10n	20%	40V	CER
C...203	59.32.3103	10n	20%	40V	CER		C...701	59.32.4102	1n	20%	50V	CER
C...204	59.34.2470	47p	5%	63V	CER	N 150	C...702	59.06.0472	4n7	10%	63V	PETP
C...205	59.34.1150	15p	5%	63V	CER	NP 0	C...703	59.34.1100	10p	5%	63V	CER NP 0
C...206	59.32.3103	10n	20%	40V	CER		C...704	59.34.2270	27p	5%	63V	CER N 150
C...207	59.32.3103	10n	20%	40V	CER		C...705	59.18.0109	1.4-5.5p		100V	TRI Ph,A
C...208	59.34.2470	47p	5%	63V	CER	N 150	C...706	59.32.3103	10n	20%	40V	CER
C...209	59.32.3103	10n	20%	40V	CER		C...707	59.32.4102	1n	20%	50V	CER
C...211	59.32.3103	10n	20%	40V	CER		C...708	59.32.4102	1n	20%	50V	CER
C...212	59.32.3103	10n	20%	40V	CER		C...709	59.06.0683	68n	10%	63V	PETP
C...213	59.32.3103	10n	20%	40V	CER		C...710	59.34.3399	3p9	2%	63V	CER P 100
C...230	59.32.3103	10n	20%	40V	CER		C...712	59.06.0222	2n2	10%	63V	PETP
C...232	59.34.1100	10p	5%	63V	CER	N 150	C...713	59.34.4680	68p	5%	63V	CER N 750
C...300	59.32.3103	10n	20%	40V	CER		C...714	59.06.0104	100n	10%	63V	PETP
C...301	59.32.3103	10n	20%	40V	CER		C...715	59.34.1689	6p8	5%	63V	CER NP 0
C...302	59.32.3103	10n	20%	40V	CER		C...716	59.32.3103	10n	20%	40V	CER
C...303	59.32.3103	10n	20%	40V	CER		C...717	59.32.3103	10n	20%	40V	CER
C...305	59.32.3103	10n	20%	40V	CER		C...717	59.06.0103	10n	10%	63V	
C...306	59.32.3103	10n	20%	40V	CER		C...718	59.18.0109	1.4-5.5p		100V	TRI Ph,A
C...307	59.34.2181	180p	5%	63V	CER	N 150	C...719	59.32.4471	470p	20%	50V	CER
C...308	59.32.3103	10n	20%	40V	CER		C...720	59.32.3103	10n	20%	40V	CER
C...309	59.32.3103	10n	20%	40V	CER		C...721	59.32.3103	10n	20%	40V	CER
C...310	59.32.3103	10n	20%	40V	CER		C...722	59.06.0474	470n	10%	63V	PETP
C...321	59.32.3103	10n	20%	40V	CER		C...723	59.22.3470	47u	-20/+50%	10V	EL
C...340	59.32.3103	10n	20%	40V	CER		C...724	59.32.4471	470p	20%	50V	CER
C...341	59.32.3103	10n	20%	40V	CER		C...725	59.32.3101	100u	-20/+50%	10V	EL
C...342	59.32.3103	10n	20%	40V	CER		C...726	59.32.4102	1n	20%	50V	CER
C...400	59.32.3103	10n	20%	40V	CER		C...727	59.22.5101	100u	-20/+50%	25V	EL
C...401	59.32.3103	10n	20%	40V	CER		C...728	59.34.2220	22p	5%	63V	CER N 150
C...402	59.32.3103	10n	20%	40V	CER		C...729	59.32.3101	10n	20%	40V	CER
C...403	59.22.5101	100u	-20/+50%	25V	EL		C...730	59.32.6220	22u	-20/+50%	35V	CER
C...404	59.32.3103	10n	20%	40V	CER		C...743	59.32.4102	1n	20%	50V	CER
C...405	59.34.4101	100p	5%	63V	CER	N 750	C...750	59.34.4101	100p	5%	63V	CER N 750
C...406	59.32.3103	10n	20%	40V	CER		C...755	59.06.0224	220n	10%	63V	
C...407	59.32.3103	10n	20%	40V	CER		C...801	59.06.0104	100n	10%	63V	PETP
C...408	59.32.3103	10n	20%	40V	CER		C...804	59.06.0473	47n	10%	63V	PETP
C...409	59.06.0334	330n	10%	63V	PETP		C...805	59.06.0104	100n	10%	63V	PETP
C...410	59.22.6220	22u	-20/+50%	35V	EL		C...806	59.32.3103	10n	20%	40V	CER
C...411	59.32.3103	10n	20%	40V	CER		C...807	59.06.0223	22n	10%	63V	PETP
C...412	59.34.2330	33p	5%	63V	CER	N 150	C...808	59.06.0473	47n	10%	63V	PETP
C...413	59.06.0473	47n	10%	63V	PETP		C...809	59.22.8109	1u	-20/+50%	50V	EL
C...414	59.34.2330	33p	5%	63V	CER	N 150	C...810	59.32.3103	10n	20%	40V	CER
C...415	59.22.6100	10u	-20/+50%	25V	EL		C...811	59.06.0223	22n	10%	63V	PETP
C...416	59.22.8479	4u7	-20/+50%	50V	EL		C...841	59.34.2220	22p	5%	63V	CER N 150
C...440	59.32.3103	10n	20%	40V	CER		C...900	59.06.0104	100n	10%	63V	PETP
C...441	59.32.6220	22u	-20/+50%	35V	EL		C...901	59.06.0104	100n	10%	63V	PETP
C...500	59.34.4221	220p	5%	63V	CER	N 750	C...902	59.22.6100	10u	-20/+50%	35V	EL
C...501	59.06.0224	220n	10%	63V	PETP		C...903	59.34.2470	47p	5%	63V	CER N 150
C...502	59.06.0224	220n	10%	63V	PETP		C...904	59.22.3470	47u	-20/+50%	10V	EL
C...503	59.22.6220	22u	-20/+50%	35V	EL		C...906	59.22.6220	22u	-20/+50%	35V	EL
C...504	59.22.8479	4u7	-20/+50%	50V	EL		C...907	59.22.6100	10u	-20/+50%	35V	EL
C...505	59.22.8479	4u7	-20/+50%	50V	EL		C...911	59.32.3103	10n	20%	40V	CER
C...506	59.22.6220	22u	-20/+50%	35V	EL		C...912	59.06.0104	100n	10%	63V	PETP
C...507	59.32.2122	1n2	10%	50V	CER		C...913	59.06.0103	10n	10%	50V	PETP
C...508	59.22.5220	22u	-20/+50%	25V	EL		C...914	59.22.4101	100u	20%	10V	EL
C...509	59.34.2101	100p	5%	63V	CER	N 150	C...915	59.34.4220	82p	5%	63V	CER N 750
C...510	59.05.2331	330p	2.5%	630V	PP		C...916	59.34.4220	1n	20%	50V	CER
							C...917	59.32.4102	1n	20%	50V	CER
							C...918	59.34.1100	10p	5%	63V	CER N 0
							C...919	59.22.3470	47u	-20/+50%	10V	EL
							C...920	59.06.0104	100n	10%	63V	PETP
							C...921	59.34.4101	100p	5%	63V	CER N 750
							C...922	59.34.4102	1n	20%	50V	CER
							C...923	59.34.4102	1n	20%	50V	CER
							C...924	59.34.4102	1n	20%	50V	CER
							C...925	59.34.4102	1n	20%	50V	CER
							C...926	59.34.4102	1n	20%	50V	CER
							C...927	59.34.4102	1n	20%	50V	CER
							C...928	59.34.4102	1n	20%	50V	CER
							C...929	59.34.4102	1n	20%	50V	CER
							C...930	59.34.4102	1n	20%	50V	CER
							C...931	59.34.4102	1n	20%	50V	CER
							C...932	59.34.4102	1n	20%	50V	CER
							C...933	59.				

## I.752.180.20 FM-TUNER UNIT 2/4

C..1108	59.22.3470	47u	-20/+50%	10V	EL		Q...600	50.03.0515	BC307B	PNP	T092-1	A
C..1109	59.34.2470	47p	5%	63V	CER	N 150	Q...700	50.03.0577	BF496	NPN	T092-1	Ph
C..1110	59.32.3103	10n	20%	40V	CER		Q...900	50.03.0515	BC307B	X-PLAST	Sel.	Sie
C..1130	59.34.0479	4p7	5%	63V	CER	P 100	Q...901	50.03.0451	BD139-10	NPN	T0126-1	A
D...100	50.04.0126	BB 20	4 RED	D-CAPACITY		Sie	Q...904	50.03.0515	BC307B	PNP	T092-1	A
D...101	50.04.0126	BB 20	4 RED	D-CAPACITY		Sie	Q...905	50.03.0515	BC307B	PNP	T092-1	A
D...102	50.04.0126	BB 20	4 RED	D-CAPACITY		Sie	Q...906	50.03.0515	BC307B	PNP	T092-1	A
D...103	50.04.0126	BB 20	4 RED	D-CAPACITY		Sie	Q...907	50.03.0801	2SA968	PNP	T0220-1	A
D...400	50.99.0168	BB130	SOD69	D-CAPACITY		Ph	Q...908	50.03.0436	BC237B	NPN	T092-1	A
D...401	50.04.0125	IN4448	D035	RECTIFIER		A	Q...909	50.03.0436	BC237B	NPN	T092-1	A
D...402	50.99.0168	BB130	SOD69	D-CAPACITY		Ph	Q...910	50.03.0436	BC237B	NPN	T092-1	A
D...500	50.04.0125	IN4448	D035	RECTIFIER		A	R...100	57.11.3104	100k	1%	0.6W	0207 MF
D...700	50.04.0126	BB 20	4 RED	D-CAPACITY		Sie	R...101	57.11.3221	220E	1%	0.6W	0207 MF
D...701	50.04.0126	BB 20	4 RED	D-CAPACITY		Sie	R...102	57.11.3154	150k	1%	0.6W	0207 MF
D...904	50.04.0105	IN4004	D041	RECTIFIER		A	R...103	57.11.3470	47E	1%	0.6W	0207 MF
D...905	50.04.0105	IN4004	D041	RECTIFIER		A	R...104	57.11.3103	10k	1%	0.6W	0207 MF
DL...90	50.04.2852	MU02-4	201	QUAD-LED yellow		Sty	R...105	57.11.3472	4k7	1%	0.6W	0207 MF
DV..403	50.04.1112	5.1V	5%	0.5W	D035	ZENER	R...106	57.11.3153	15k	1%	0.6W	0207 MF
DV..600	50.04.1112	5.1V	5%	0.5W	D035	ZENER	R...107	57.11.3473	47k	1%	0.6W	0207 MF
DV..601	50.04.1102	6.8V	5%	0.5W	D035	ZENER	R...108	57.11.3564	560k	1%	0.6W	0207 MF
DV..602	50.04.1112	5.1V	5%	0.5W	D035	ZENER	R...109	57.19.0330	33E/\	5%	0.33W	0207 R-FUSE
DV..603	50.04.1112	5.1V	5%	0.5W	D035	ZENER	R...110	57.11.3470	47E	1%	0.6W	0207 MF
DV..604	50.04.1112	5.1V	5%	0.5W	D035	ZENER	R...111	57.11.3202	2k	1%	0.6W	0207 MF
DV..800	50.04.1108	5.6V	5%	0.5W	D035	ZENER	R...112	57.11.3564	560k	1%	0.6W	0207 MF
DV..906	50.04.1135	3.6V	5%	0.5W	D035	ZENER	R...113	57.11.3104	100k	1%	0.6W	0207 MF
DV..907	50.04.1135	3.6V	5%	0.5W	D035	ZENER	R...114	57.11.3104	100k	1%	0.6W	0207 MF
IC....1	50.09.0122	TLC272	DIP08	PRECISION DUAL OPAMP		TI,STM	R...115	57.11.3104	100k	1%	0.6W	0207 MF
IC....2	50.09.0122	TLC272	DIP08	PRECISION DUAL OPAMP		TI,STM	R...117	57.11.3104	100k	1%	0.6W	0207 MF
IC....3	50.09.0122	TLC272	DIP08	PRECISION DUAL OPAMP		TI,STM	R...118	57.11.3202	2k	1%	0.6W	0207 MF
IC....4	50.11.0129	TDA1576	DIP18	FM-ZF VERSTÄRKER		Ph	R...119	57.11.3103	10k	1%	0.6W	0207 MF
IC....5	50.13.0113	TDA1578A -S3	DIP18	PLL STEREO DECODER		Ph	R...120	57.11.3472	4k7	1%	0.6W	0207 MF
IC....7	50.10.0108	LW317L	T092	VOLTAGE REC. +		A	R...121	57.11.3470	47E	1%	0.6W	0207 MF
IC....8	50.13.0105	SAA1057	SYNTHEZIZER MODUL		Ph	R...122	57.11.3470	47E	1%	0.6W	0207 MF	
IC....9	50.11.0300	TEA6100	DIP20	FM/ZF AMPLIFIER		Ph	R...123	57.11.3221	220E	1%	0.6W	0207 MF
IC...10	50.10.0104	LW317SP	T0220	VOLTAGE REC. +		A	R...131	57.19.0330	33E/\	5%	0.33W	0207 R-FUSE
IC...11	50.07.0018	HEF4094	DIP16	SHIFT AND STORE BUS REG.	A		R...200	57.11.3103	10k	1%	0.6W	0207 MF
IC...12	50.10.0104	LW317SP	T0220	VOLTAGE REC. +	A		R...201	57.11.3104	100k	1%	0.6W	0207 MF
IC...14	50.61.0501	SAA7579T	S016	RDS-DEMULULATOR		Ph	R...202	57.11.3221	220E	1%	0.6W	0207 MF
IC...15	1.752.190.20	80C652P	AB030	DIP40 SINGLE CHIP MPU (RDS)		Ph	R...203	57.11.3470	47E	1%	0.6W	0207 MF
IC...16	50.62.9069	HEF4069UBT	S014	HEX INVERTER		Ph	R...205	57.11.3471	470E	1%	0.6W	0207 MF
IC...17	50.07.0066	4066	DIP14	QUAD ANALOG SWITCH		A	R...206	57.11.3114	110k	1%	0.6W	0207 MF
02 IC...17	50.17.4066	HC4066	DIP14	QUAD ANALOG SWITCH		A	R...207	57.11.3331	330E	1%	0.6W	0207 MF
L...100	1.726.250.31	4.5/1.25	RF-COIL ADJ		Com		R...208	57.11.3224	220k	1%	0.6W	0207 MF
L...101	1.746.240.96	4.5/0.75	RF-COIL ADJ		Com		R...209	57.11.3470	47E	1%	0.6W	0207 MF
L...102	1.746.240.06	4.5/0.75	RF-COIL ADJ		Com		R...211	57.19.0330	33E/\	5%	0.33W	0207 R-FUSE
L...103	1.746.240.06	4.5/0.75	RF-COIL ADJ		Com		R...212	57.19.0330	33E/\	5%	0.33W	0207 R-FUSE
L...300	89.01.4402	10.7MHz	CERAMIC FILTER SFE10.7MX2K-A		Mur		R...213	57.11.3221	220E	1%	0.6W	0207 MF
L...301	89.01.4402	10.7MHz	CERAMIC FILTER SFE10.7MX2K-A		Mur		R...214	57.11.3224	220k	1%	0.6W	0207 MF
L...302	89.01.4402	10.7MHz	CERAMIC FILTER SFE10.7MX2K-A		Mur		R...215	57.11.3221	220E	1%	0.6W	0207 MF
L...500	1.746.240.03	90KHZ-LPF	ABW-07		Com		R...216	57.11.3473	47k	1%	0.6W	0207 MF
L...610	1.752.250.22	19KHZ-LPF	ABW-07		Com		R...217	57.11.3104	100k	1%	0.6W	0207 MF
L...611	1.752.250.22	19KHZ-LPF	ABW-07		Com		R...218	57.11.3754	750k	1%	0.6W	0207 MF
L...700	1.752.250.23	3.5/1.75	OSCI. COIL		Com		R...219	57.11.3470	47E	1%	0.6W	0207 MF
L...701	1.728.260.06	3.5/0.75	OSCI. COIL		Com		R...220	57.11.3433	43k	1%	0.6W	0207 MF
L...901	62.01.0115	2.5WD	WIDEBAND-CHOKE		Ph		R...221	57.11.3470	47E	1%	0.6W	0207 MF
L...1100	62.02.3220	22u	10% 1E4 (OHM) HF-CHOKE				R...230	57.19.0330	33E/\	5%	0.33W	0207 R-FUSE
L...1101	1.752.250.24	RDS-BPF			Com		R...231	57.19.0151	150E/\	5%	0.33W	0207 R-FUSE
MP....1	1.752.180.05	2 pcs	RF SHIELD 1		St		R...232	57.11.3470	47E	1%	0.6W	0207 MF
MP....2	1.752.180.06		RF SHIELD 2		St		R...233	57.11.3470	47E	1%	0.6W	0207 MF
MP....3	1.752.180.04		HEATSINK		St		R...300	57.11.3102	1k	1%	0.6W	0207 MF
MP....4	1.752.180.03		THERMOPOIL		St		R...301	57.11.3102	1k	1%	0.6W	0207 MF
MP....5	20.25.0203	2 pcs	ANTENNA SCREW				R...302	57.11.3391	390E	1%	0.6W	0207 MF
MP....6	50.20.2003	2 pcs	CLAMP				R...303	57.11.3102	1k	1%	0.6W	0207 MF
MP....7	21.99.0108	2 pcs	SCREW to HEATSINK				R...305	57.11.3102	1k	1%	0.6W	0207 MF
P...100	54.23.0001	ANTENNA	ANG. MALE KOAX		H1		R...306	57.11.3272	2k7	1%	0.6W	0207 MF
PCB...1	1.752.180.11		Empty PCB				R...307	57.11.3114	110k	1%	0.6W	0207 MF
01 PCB...1	1.752.180.12		Empty PCB				R...308	57.11.3302	3k	1%	0.6W	0207 MF
Q...100	1.010.043.50	BF961	X-PLAST Sel.		Sie		R...309	57.11.3101	100E	1%	0.6W	0207 MF
Q...101	1.010.043.50	BF961	X-PLAST Sel.		Sie		R...310	57.11.3331	330E	1%	0.6W	0207 MF
Q...200	1.010.043.50	BF961	X-PLAST Sel.		Sie		R...311	57.19.0151	150E/\	5%	0.33W	0207 R-FUSE
Q...201	1.010.043.50	BF961	X-PLAST Sel.		Sie		R...312	57.11.3331	330E	1%	0.6W	0207 MF
Q...202	1.010.052.50	BF963	X-PLAST		Sie		R...313	57.11.3221	220E	1%	0.6W	0207 MF
Q...300	50.03.0576	BP959	NPN T092-10		Sie		R...314	57.11.3224	220k	1%	0.6W	0207 MF
Q...301	50.03.0576	BP959	NPN T092-10		Sie		R...315	57.11.3331	330E	1%	0.6W	0207 MF
Q...302	50.03.0576	BP959	NPN T092-10		Sie		R...316	57.19.0151	150E/\	5%	0.33W	0207 R-FUSE
Q...303	50.03.0576	BP959	NPN T092-10		Sie		R...317	57.11.3272	2k7	1%	0.6W	0207 MF
Q...304	1.010.043.50	BF961	X-PLAST Sel.		Sie		R...319	57.11.3470	47E	1%	0.6W	0207 MF
Q...400	50.03.0436	BC237B	NPN T092-1		A		R...320	57.11.3101	100E	1%	0.6W	0207 MF
Q...401	50.03.0436	BC237B	NPN T092-1		A		R...321	57.11.3513	51k	1%	0.6W	0207 MF
Q...402	50.03.0628	BF450	PNP T092-10		Ph		R...322	57.11.3104	100k	1%	0.6W	0207 MF
Q...403	50.03.0628	BF450	PNP T092-10		Ph		R...323	57.11.3470	47E	1%	0.6W	0207 MF
Q...404	50.03.0436	BC237B	NPN T092-1		A							

## I.752.180.20 FM-TUNER UNIT 3/4

R...324	57.19.0151	150E/!\`	58	0.33W	0207	R-FUSE	R...613	57.11.3472	4k7	18	0.6W	0207	MF
R...325	57.11.3221	220E	18	0.6W	0207	MF	R...614	57.11.3472	4k7	18	0.6W	0207	MF
R...326	57.11.3331	330E	18	0.6W	0207	MF	R...615	57.11.3222	2k2	18	0.6W	0207	MF
R...327	57.11.3302	3k	18	0.6W	0207	MF	R...616	57.11.3623	62k	18	0.6W	0207	MF
R...328	57.11.3101	100E	18	0.6W	0207	MF	R...617	57.11.3103	10k	18	0.6W	0207	MF
R...329	57.11.3221	220E	18	0.6W	0207	MF	R...618	57.11.3303	30k	18	0.6W	0207	MF
R...330	57.11.3330	33E	18	0.6W	0207	MF	R...619	57.11.3103	10k	18	0.6W	0207	MF
R...331	57.11.3391	390E	18	0.6W	0207	MF	R...620	57.11.3101	100E	18	0.6W	0207	MF
R...340	57.19.0151	150E/!\`	58	0.33W	0207	R-FUSE	R...622	57.11.3512	5k1	18	0.6W	0207	MF
R...341	57.19.0151	150E/!\`	58	0.33W	0207	R-FUSE	R...624	57.11.3303	30k	18	0.6W	0207	MF
R...342	57.19.0151	150E/!\`	58	0.33W	0207	R-FUSE	R...625	57.11.3104	100k	18	0.6W	0207	MF
R...400	57.11.3562	5k6	18	0.6W	0207	MF	R...626	57.11.3103	10k	18	0.6W	0207	MF
R...401	57.11.3472	4k7	18	0.6W	0207	MF	R...627	57.11.3103	10k	18	0.6W	0207	MF
R...402	57.11.3471	470E	18	0.6W	0207	MF	R...629	57.11.3224	220k	18	0.6W	0207	MF
R...403	57.11.3223	22k	18	0.6W	0207	MF	R...630	57.11.3623	62k	18	0.6W	0207	MF
R...404	57.11.3471	470E	18	0.6W	0207	MF	R...640	57.11.3224	220k	18	0.6W	0207	MF
R...405	57.11.3183	18k	18	0.6W	0207	MF	R...700	57.11.3473	47k	18	0.6W	0207	MF
R...406	57.11.3221	220E	18	0.6W	0207	MF	R...701	57.11.3103	10k	18	0.6W	0207	MF
R...407	57.11.3224	220k	18	0.6W	0207	MF	R...702	57.11.3272	2k7	18	0.6W	0207	MF
R...408	57.11.3682	6k8	18	0.6W	0207	MF	R...703	57.11.3471	470E	18	0.6W	0207	MF
R...410	57.11.3474	470k	18	0.6W	0207	MF	R...704	57.11.3103	10k	18	0.6W	0207	MF
R...411	57.11.3472	4k7	18	0.6W	0207	MF	R...705	57.11.3472	4k7	18	0.6W	0207	MF
R...413	57.11.3222	2k2	18	0.6W	0207	MF	R...706	57.11.3470	47E	18	0.6W	0207	MF
R...414	57.11.3391	390E	18	0.6W	0207	MF	R...707	57.11.3473	47k	18	0.6W	0207	MF
R...415	57.19.0330	33E/!\`	58	0.33W	0207	R-FUSE	R...708	57.11.3472	4k7	18	0.6W	0207	MF
R...416	57.11.3203	20k	18	0.6W	0207	MF	R...709	57.11.3472	4k7	18	0.6W	0207	MF
R...417	57.11.3182	1k8	18	0.6W	0207	MF	R...710	57.11.3113	11k	18	0.6W	0207	MF
R...418	57.11.3221	220E	18	0.6W	0207	MF	R...711	57.11.3473	47k	18	0.6W	0207	MF
R...419	57.11.3152	1k5	18	0.6W	0207	MF	R...712	57.11.3470	47E	18	0.6W	0207	MF
R...420	57.11.3222	2k2	18	0.6W	0207	MF	R...713	57.11.3224	220k	18	0.6W	0207	MF
R...422	57.11.3221	220E	18	0.6W	0207	MF	R...714	57.11.3154	150k	18	0.6W	0207	MF
R...423	57.11.3471	470E	18	0.6W	0207	MF	R...715	57.19.0479	4E7/!\`	58	0.33W	0207	R-FUSE
R...424	57.11.3223	22k	18	0.6W	0207	MF	R...716	57.19.0330	33E/!\`	58	0.33W	0207	R-FUSE
R...425	57.11.3562	5k6	18	0.6W	0207	MF	R...717	57.11.3222	2k2	18	0.6W	0207	MF
R...426	57.11.3472	4k7	18	0.6W	0207	MF	R...718	57.11.3150	15E	18	0.6W	0207	MF
R...427	57.11.3103	10k	18	0.6W	0207	MF	R...719	57.11.3221	220E	18	0.6W	0207	MF
R...428	57.11.3102	1k	18	0.6W	0207	MF	R...720	57.11.3114	110k	18	0.6W	0207	MF
R...429	57.11.3222	2k2	18	0.6W	0207	MF	R...721	57.11.3103	10k	18	0.6W	0207	MF
R...430	57.11.3222	2k2	18	0.6W	0207	MF	R...722	57.11.3103	10k	18	0.6W	0207	MF
R...432	57.11.3472	4k7	18	0.6W	0207	MF	R...723	57.11.3104	100k	18	0.5W	0207	MF
R...433	57.11.3182	1k8	18	0.6W	0207	MF	R...724	57.11.3511	510E	18	0.6W	0207	MF
R...440	57.19.0330	33E/!\`	58	0.33W	0207	R-FUSE	R...725	57.11.3153	15k	18	0.6W	0207	MF
R...441	57.11.3472	4k7	18	0.6W	0207	MF	R...727	57.11.3103	10k	18	0.6W	0207	MF
R...442	57.11.3101	100E	18	0.6W	0207	MF	R...728	57.11.3104	100k	18	0.6W	0207	MF
R...443	57.11.3101	100E	18	0.6W	0207	MF	R...729	57.11.3103	10k	18	0.6W	0207	MF
R...444	57.11.3183	18k	18	0.6W	0207	MF	R...730	57.11.3181	180E	18	0.6W	0207	MF
R...445	57.11.3223	22k	18	0.6W	0207	MF	R...731	57.11.3470	47E	18	0.6W	0207	MF
R...500	57.11.3223	22k	18	0.6W	0207	MF	R...732	57.11.3103	10k	18	0.6W	0207	MF
R...501	57.11.3154	150k	18	0.6W	0207	MF	R...740	57.19.0330	33E/!\`	58	0.33W	0207	R-FUSE
R...502	57.11.3683	68k	18	0.6W	0207	MF	R...741	57.11.3102	1k	18	0.6W	0207	MF
R...503	57.11.3103	10k	18	0.6W	0207	MF	R...750	57.11.3223	22k	18	0.6W	0207	MF
R...504	57.11.3393	39k	18	0.6W	0207	MF	R...803	57.19.0680	68E/!\`	58	0.33W	0207	R-FUSE
R...505	57.11.3103	10k	18	0.6W	0207	MF	R...804	57.19.0680	68E/!\`	58	0.33W	0207	R-FUSE
R...506	57.11.3103	10k	18	0.6W	0207	MF	R...806	57.11.3102	1k	18	0.6W	0207	MF
R...507	57.11.3103	10k	18	0.6W	0207	MF	R...807	57.11.3472	4k7	18	0.6W	0207	MF
R...508	57.11.3103	10k	18	0.6W	0207	MF	R...810	57.11.3751	750E	18	0.6W	0207	MF
R...509	57.11.3512	5k1	18	0.6W	0207	MF	R...811	57.11.3151	150E	18	0.6W	0207	MF
R...510	57.11.3472	4k7	18	0.6W	0207	MF	R...812	57.11.3331	330E	18	0.6W	0207	MF
R...511	57.11.3223	22k	18	0.6W	0207	MF	R...900	57.11.3681	680E	18	0.6W	0207	MF
R...512	57.11.3473	47k	18	0.6W	0207	MF	R...901	57.11.3103	10k	18	0.6W	0207	MF
R...513	57.11.3243	24k	18	0.6W	0207	MF	R...902	57.11.3103	10k	18	0.6W	0207	MF
R...514	57.11.3223	22k	18	0.6W	0207	MF	R...904	57.11.3222	2k2	18	0.6W	0207	MF
R...515	57.11.3184	180k	18	0.6W	0207	MF	R...905	57.11.3181	180E	18	0.6W	0207	MF
R...516	57.19.0330	33E/!\`	58	0.33W	0207	R-FUSE	R...906	57.11.3821	820E	18	0.6W	0207	MF
R...518	57.11.3333	33k	18	0.6W	0207	MF	R...911	57.11.3223	22k	18	0.6W	0207	MF
R...519	57.11.3102	1k	18	0.6W	0207	MF	R...912	57.11.3472	4k7	18	0.6W	0207	MF
R...521	57.11.3472	4k7	18	0.6W	0207	MF	R...913	57.11.3103	10k	18	0.6W	0207	MF
R...522	57.11.3103	10k	18	0.6W	0207	MF	R...914	57.11.3103	10k	18	0.6W	0207	MF
R...524	57.11.3333	33k	18	0.6W	0207	MF	R...915	57.11.3222	2k2	18	0.6W	0207	MF
R...525	57.11.3473	47k	18	0.6W	0207	MF	R...916	57.11.3223	22k	18	0.6W	0207	MF
R...526	57.11.3473	47k	18	0.6W	0207	MF	R...917	57.92.7013	0E5		0.5A	60V	R-PTC
R...527	57.11.3222	2k2	18	0.6W	0207	MF	R...919	57.11.3472	4k7	18	0.6W	0207	MF
R...528	57.11.3243	24k	18	0.6W	0207	MF	R...920	57.11.3103	10k	18	0.6W	0207	MF
R...600	57.11.3103	10k	18	0.6W	0207	MF	R...921	57.11.3472	4k7	18	0.6W	0207	MF
R...601	57.11.3512	5k1	18	0.6W	0207	MF	R...922	57.11.3103	10k	18	0.6W	0207	MF
R...605	57.11.3103	10k	18	0.6W	0207	MF	R...924	57.11.3201	200E	18	0.6W	0207	MF
R...606	57.11.3101	190E	18	0.6W	0207	MF	R...925	57.11.3621	620E	18	0.6W	0207	MF
R...607	57.11.3104	100k	18	0.6W	0207	MF	R...926	57.11.3271	270E	18	0.6W	0207	MF
R...608	57.11.3222	2k2	18	0.6W	0207	MF	R...927	57.11.3471	470E	18	0.6W	0207	MF
R...609	57.11.3101	100E	18	0.6W	0207	MF	R...929	57.11.3103	10k	18	0.6W	0207	MF
R...610	57.11.3101	100E	18	0.6W	0207	MF	R...930	57.11.3103	10k	18	0.6W	0207	MF
R...611	57.11.3222	2k2	18	0.6W	0207	MF	R...						

## 1.752.180.20 FM-TUNER UNIT 4/4

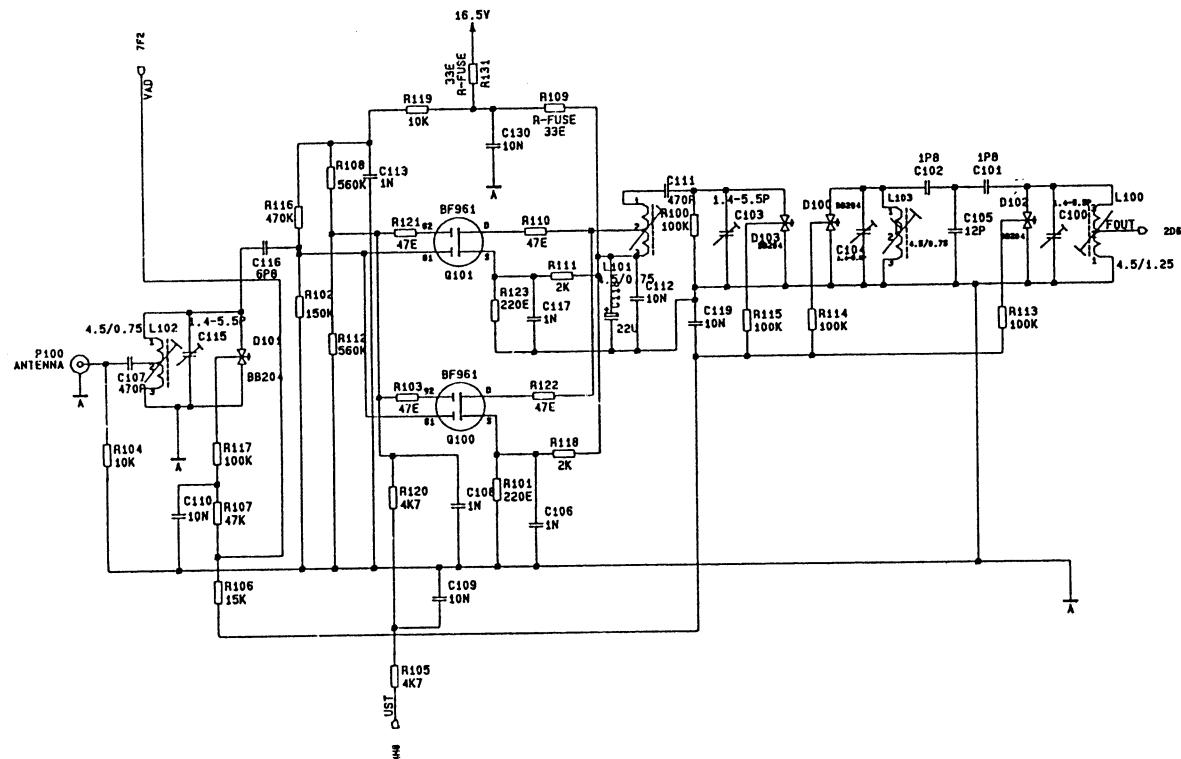
R...934	57.11.3471	470E	18	0.6W	0207	MF
O1 R...934	57.11.3472	4k7	18	0.6W	0207	MF
R...940	57.11.3271	270E	18	0.6W	0207	MF
R...944	57.11.3102	1k	18	0.6W	0207	MF
R...945	57.11.3103	10k	18	0.6W	0207	MF
R...960	57.11.3103	10k	18	0.6W	0207	MF
R...961	57.11.3151	150E	18	0.6W	0207	MF
R...962	57.11.3472	4k7	18	0.6W	0207	MF
R...963	57.11.3472	4k7	18	0.6W	0207	MF
R...964	57.11.3151	150E	18	0.6W	0207	MF
R...965	57.11.3102	1k	18	0.6W	0207	MF
R...966	57.11.3102	1k	18	0.6W	0207	MF
R...967	57.11.3471	470E	18	0.6W	0207	MF
R..1100	57.11.3184	180k	18	0.6W	0207	MF
R..1101	57.10.1224	220k	18	0.4W	0204	MF
R..1102	57.11.3102	1k	18	0.6W	0207	MF
R..1103	57.11.3112	1k1	18	0.6W	0207	MF
R..1104	57.11.3222	2k2	18	0.6W	0207	MF
R..1105	57.10.1103	10k	18	0.4W	0204	MF
R..1106	57.11.3224	220k	18	0.6W	0207	MF
R..1107	57.11.3103	10k	18	0.6W	0207	MF
R..1108	57.10.1224	220k	18	0.4W	0204	MF
R..1109	57.10.1224	220k	18	0.4W	0204	MF
R..1110	57.11.3470	47E	18	0.6W	0207	MF
R..1111	57.11.3472	4k7	18	0.6W	0207	MF
R..1112	57.11.3102	1k	18	0.6W	0207	MF
R..1113	57.11.3124	120k	18	0.6W	0207	MF
R..1114	57.10.1103	10k	18	0.4W	0204	MF
R..1115	57.11.3222	2k2	18	0.6W	0207	MF
R..1116	57.10.1103	10k	18	0.4W	0204	MF
R..1117	57.10.1224	220k	18	0.4W	0204	MF
R..1118	57.11.3151	150E	18	0.6W	0207	MF
R..1119	57.11.3151	150E	18	0.6W	0207	MF
RA..409	58.02.5103	10k	20%	0.1W	CF	
RA..412	58.02.5223	22k	20%	0.1W	CF	
RA..431	58.02.5222	2k2	20%	0.1W	CF	
RA..517	58.02.5223	22k	20%	0.1W	CF	
RA..520	58.02.5103	10k	20%	0.1W	CF	
RA..801	58.02.5103	10k	20%	0.1W	CF	
T...200	1.728.260.07	S YM. TRAFO		GI		
T...201	1.752.250.21	I F Mixer Coil		GI		
T...300	1.726.250.27	I F COIL 2		GI,Com		
T...400	1.726.250.29	I F-OSC.COIL		GI		
W.....1	1.752.196.00	Wire List Flatcable 8 Pin		St		
W.....2	1.752.198.00	Wire List Flatcable 12 Pin		St		
W.....3	1.752.180.93	Wire List Ikon		St		
XIC..15	53.03.0172	DIL40 SO CKET FOR IC 15				
Y...700	89.01.0550	4.000MHZ	HC18/43/49/U	A		
Y..1100	89.01.1006	4.332MHZ	HC18/43/49/U	A		

(01) 20.04.92 PCB INDEX from -11 to -12 R934 4k7

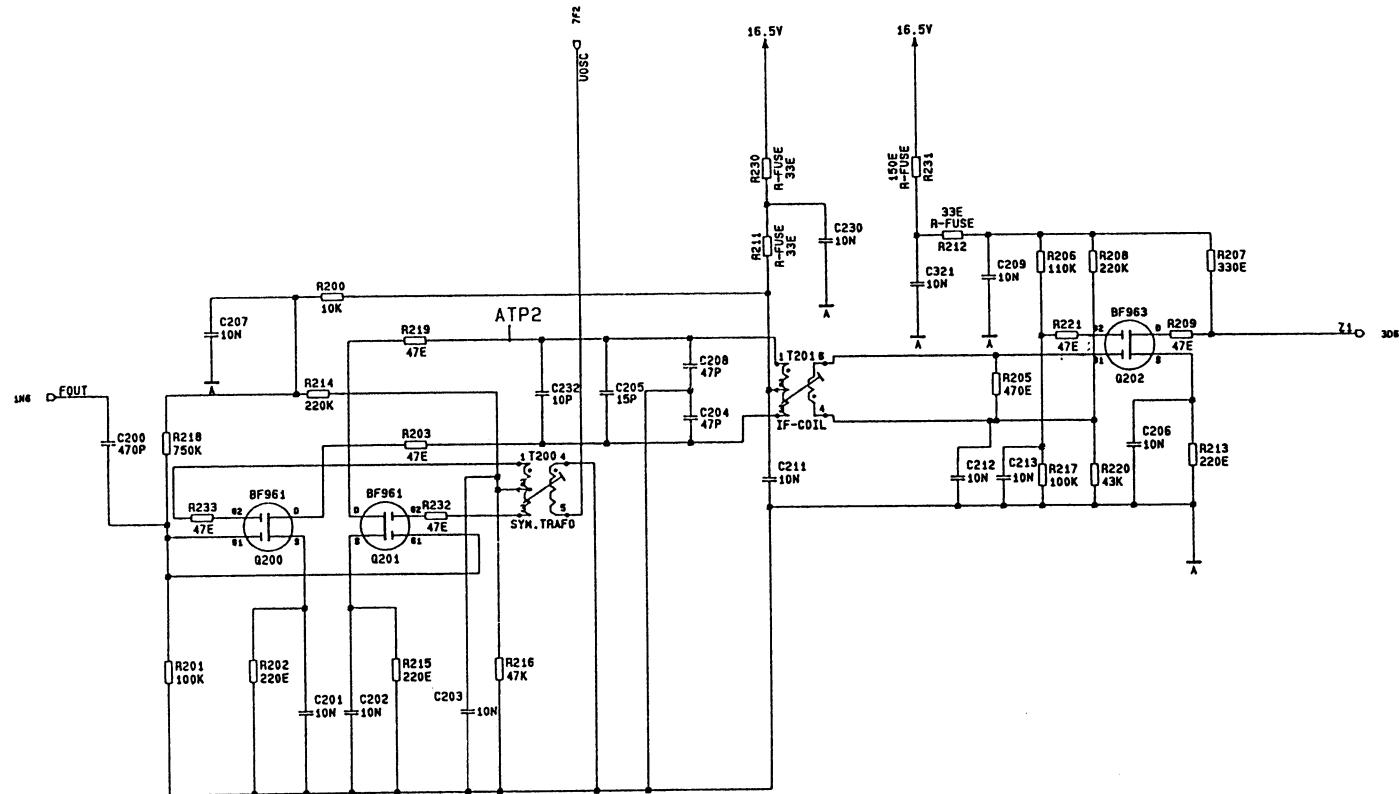
(02) 10.06.92 Change of dif. parts

STW92/01/2700  
STW92/04/2001  
STW92/06/1002

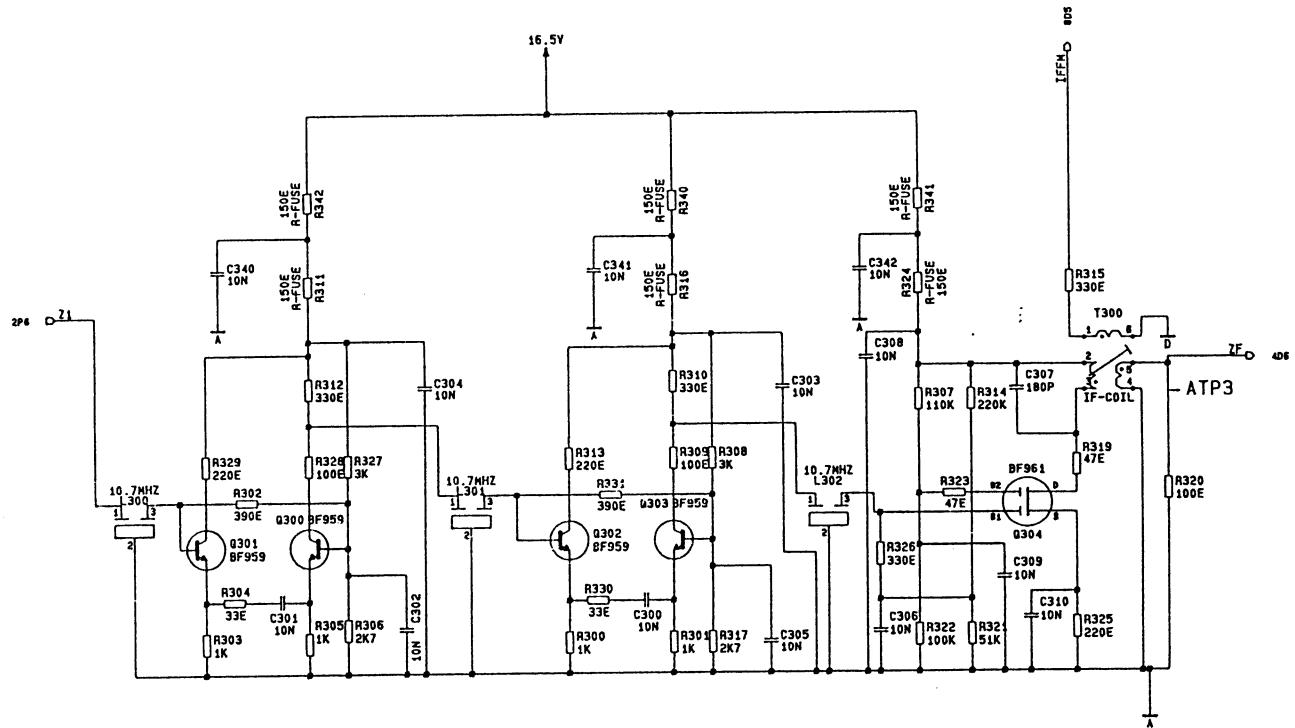
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 CF=Carbonfilm  
 Cer=Ceramic  
 PETP=Polyester  
 PP=Polypropylen  
 Tri=Trimmer  
 El=Electrolytic  
 MANUFACTURER: A-any, GI=Dan/General Instruments Malta, Sie=Siemens,  
 Ph=Philips, St=Studer, STM=SGS-Thomson, TI=Texas Instr.,  
 Com=Componex/Toko, Mur=Murata/Erie, Sty=Stanley,  
 Hi= Hirschmann,  
 END



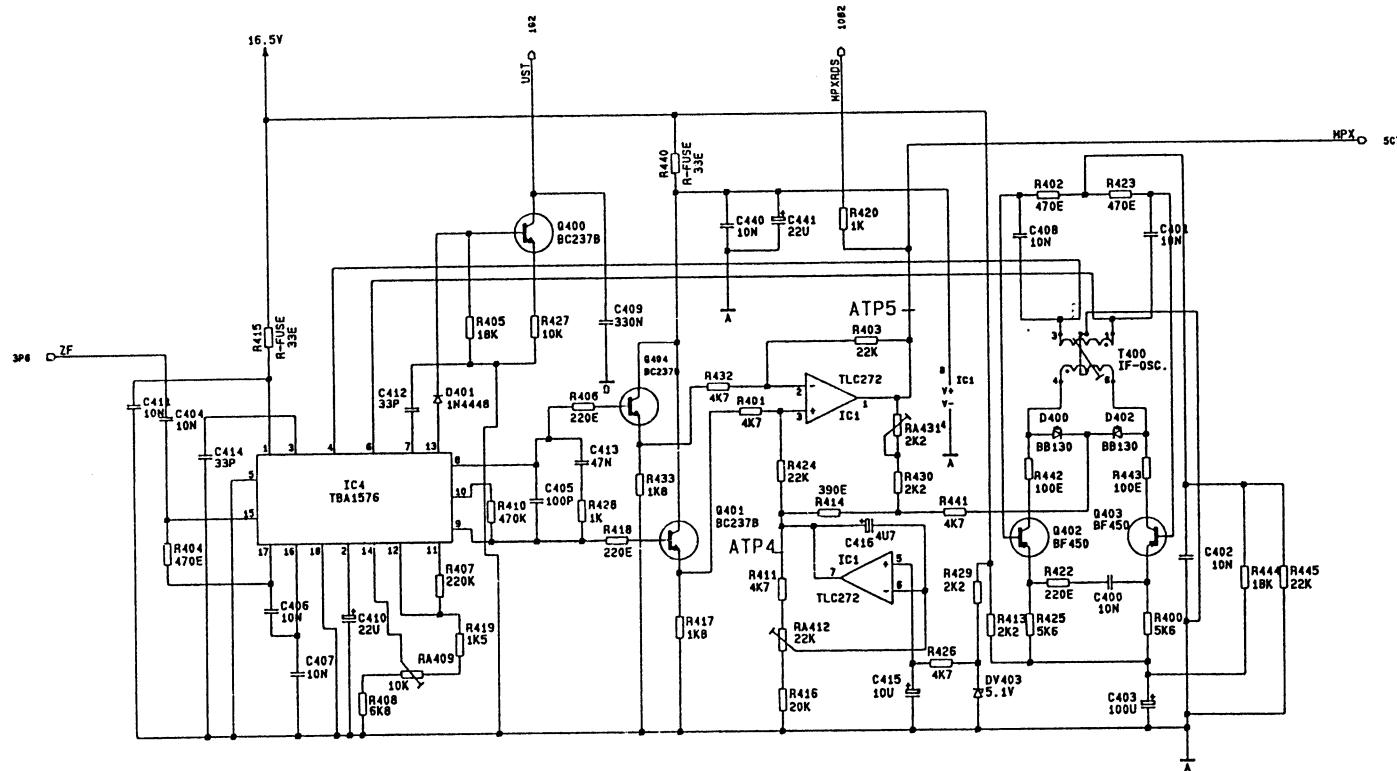
0 11.11.91 STW	1 24.02.93			
		TUNER DESIGN SERIES		PAGE 1 OF 10
<b>REVOX</b>	TUNER BOARD		SC	1.752.180-21



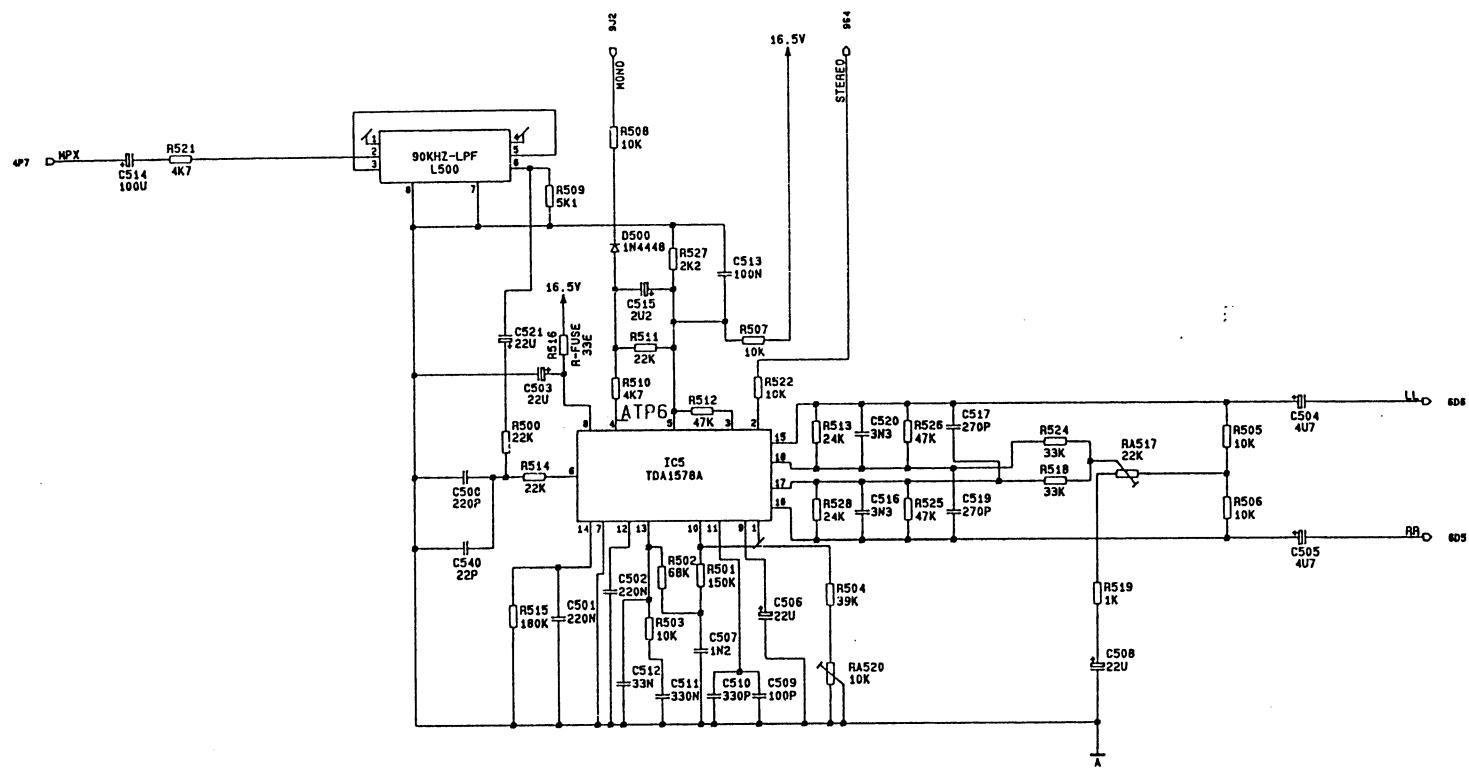
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TUNER DESIGN SERIES			
REVOX	TUNER BOARD	SC 1.752.180-21	PAGE 2 OF 10



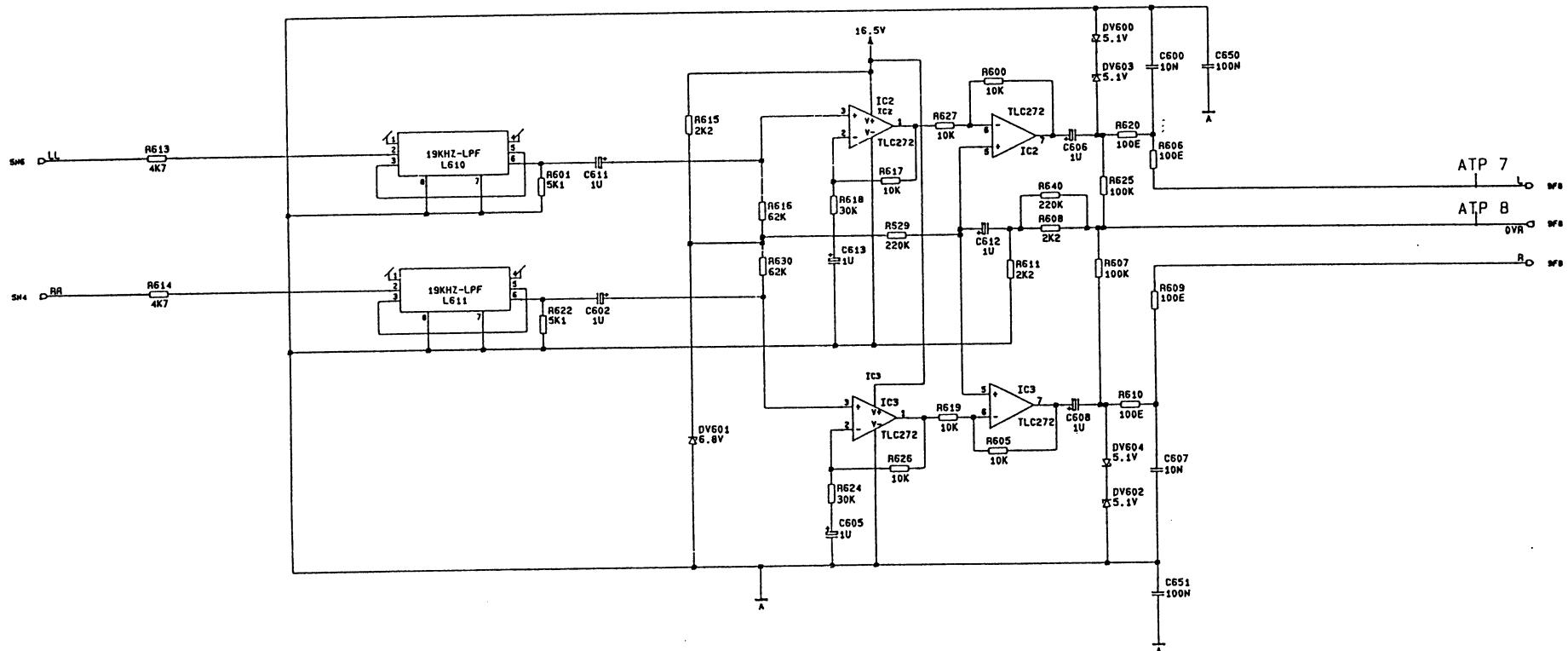
0 11.11.91 STW	1 24.02.93	TUNER DESIGN SERIES	PAGE 3 OF 10
REVOX	TUNER BOARD	SC	1.752.180-21



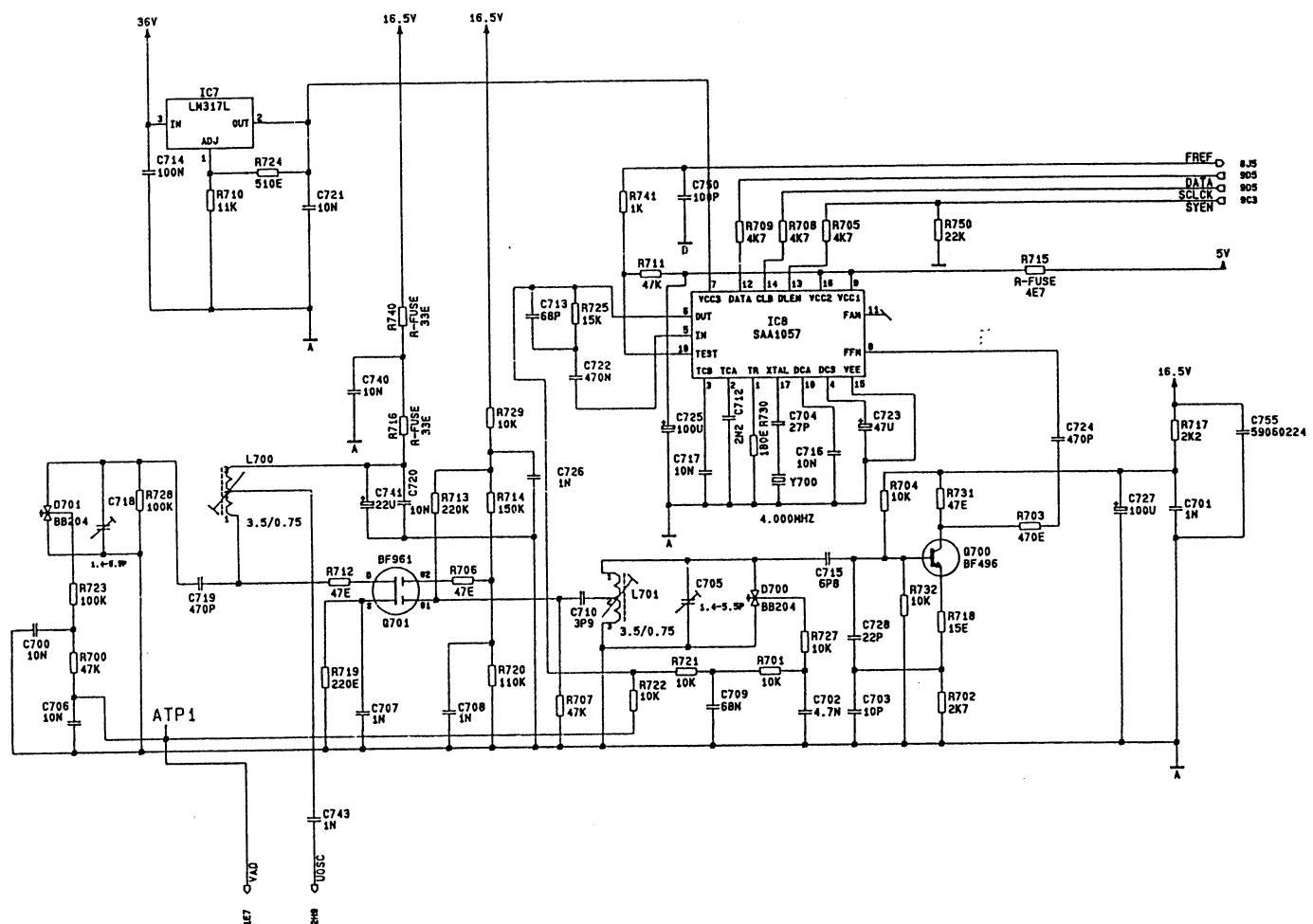
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TUNER DESIGN SERIES			
REVOX	TUNER BOARD	SC	1.752.180-21



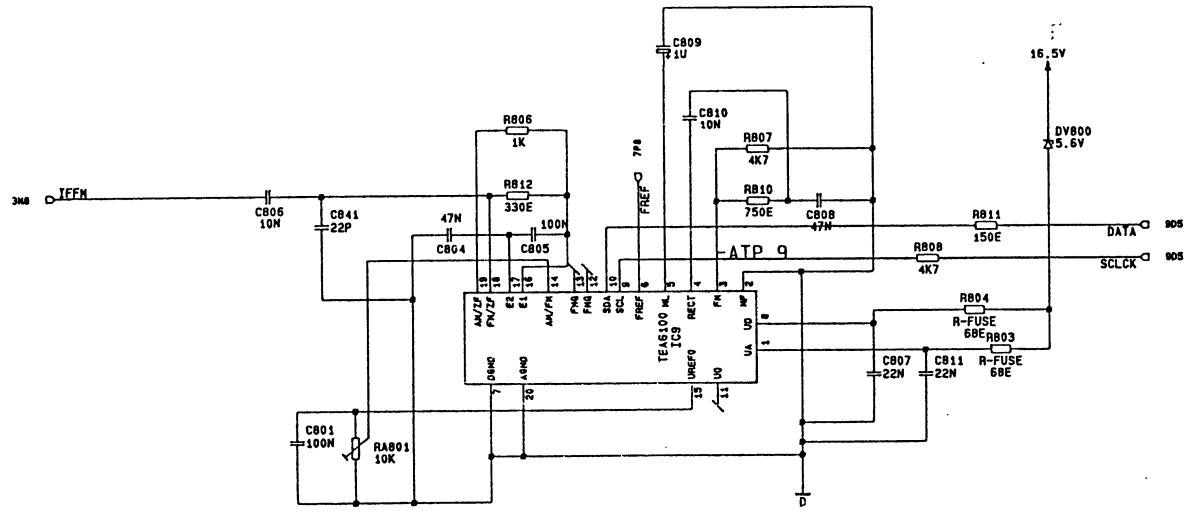
0 11.11.91 STW	1 24.02.93			PAGE 5 OF 10
REVOX	TUNER BOARD	SC	1.752.180-21	



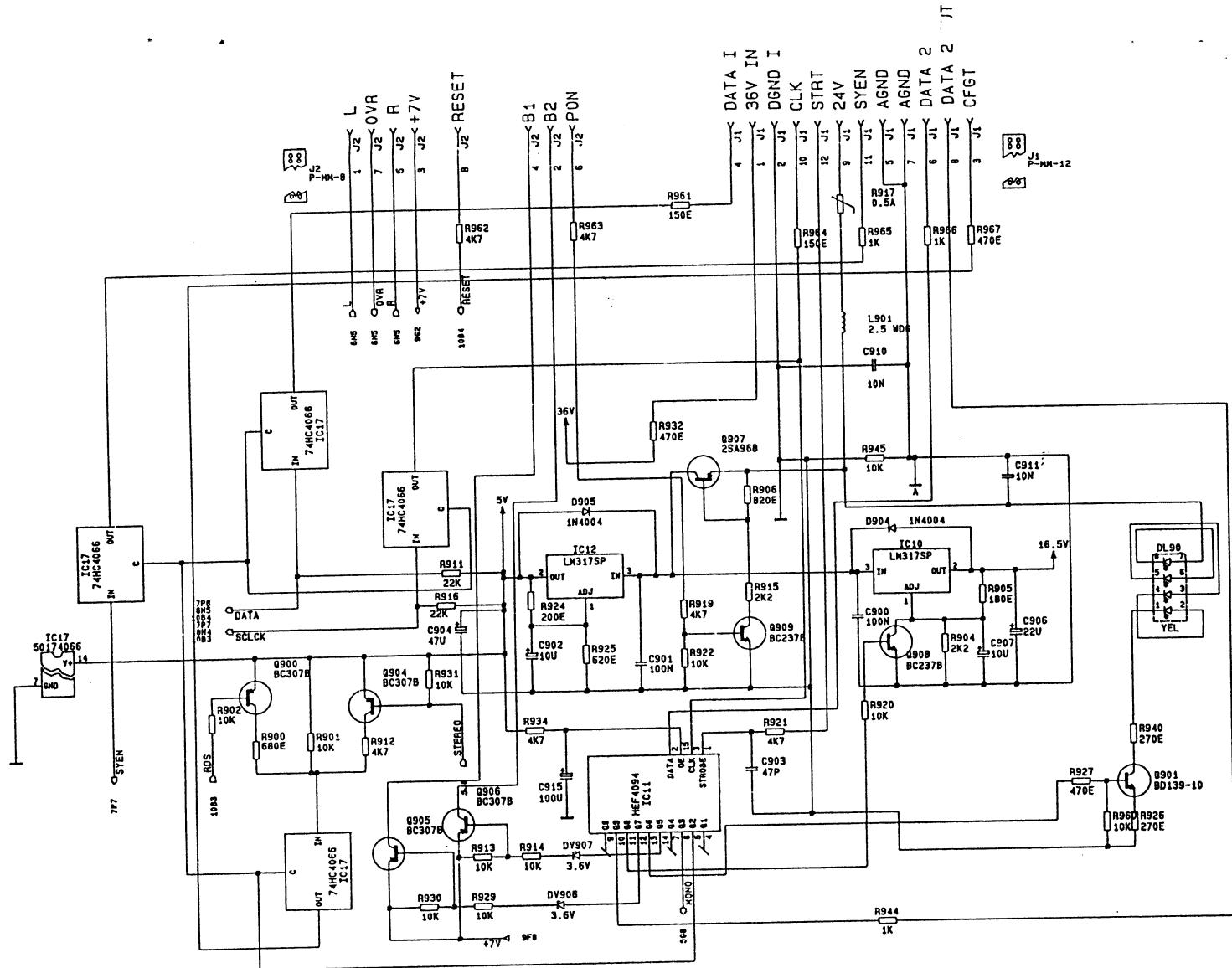
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TUNER DESIGN SERIES			
REVOX	TUNER BOARD	SC 1.752.180-21	PAGE 6 OF 10



0 11.11.91 STW	1 24.02.93		
TUNER DESIGN SERIES			
REVOX	TUNER BOARD	SC 1.752.180-21	PAGE 7 OF 10



0 11.11.91 STW	1 24.02.93		
TUNER DESIGN SERIES			
REVOX	TUNER BOARD	SC 1.752.180-21	PAGE 8 OF 10

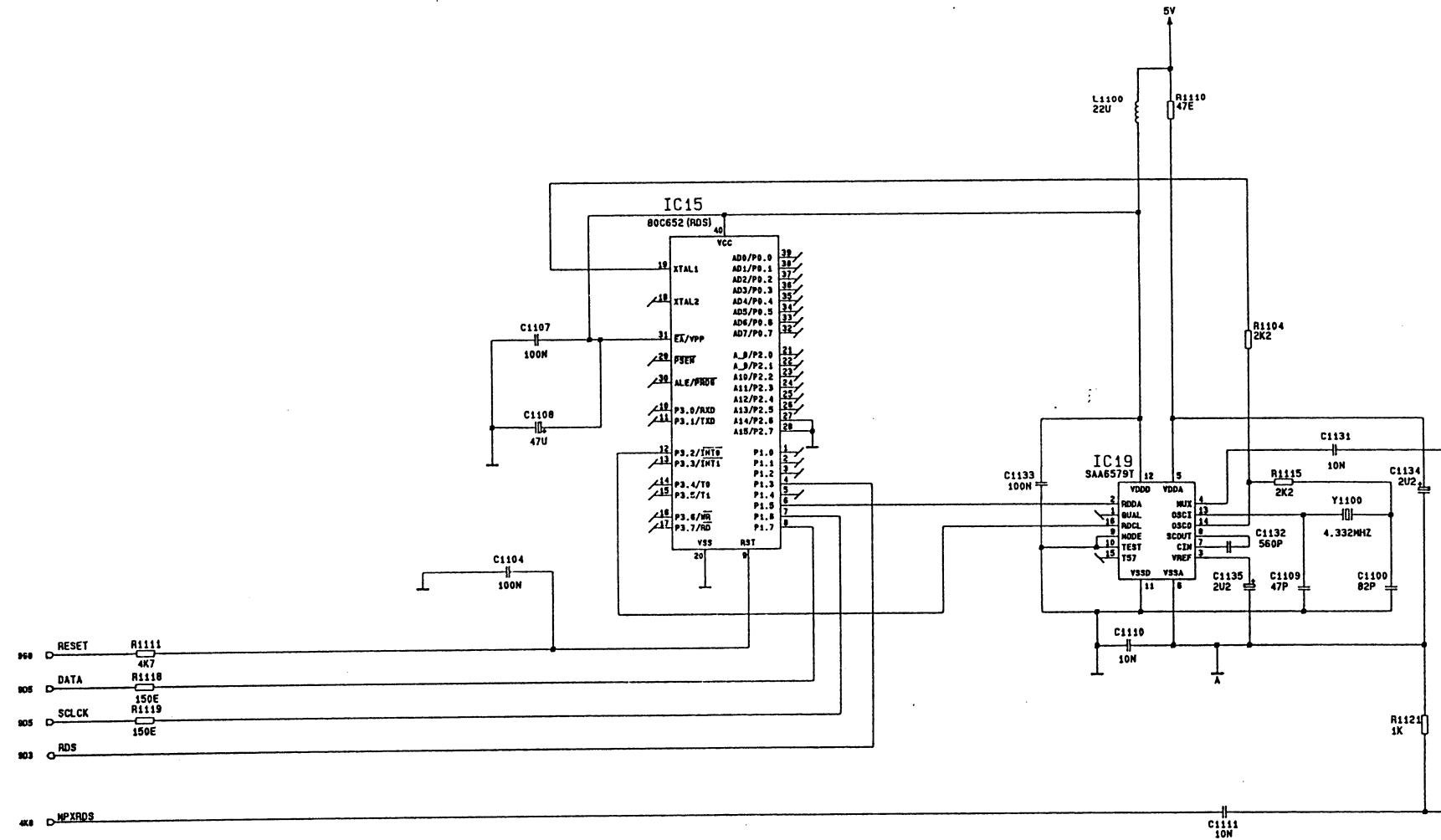


0 11.11.91 STW 1 24.02.93 TUNED DESIGN SERIES

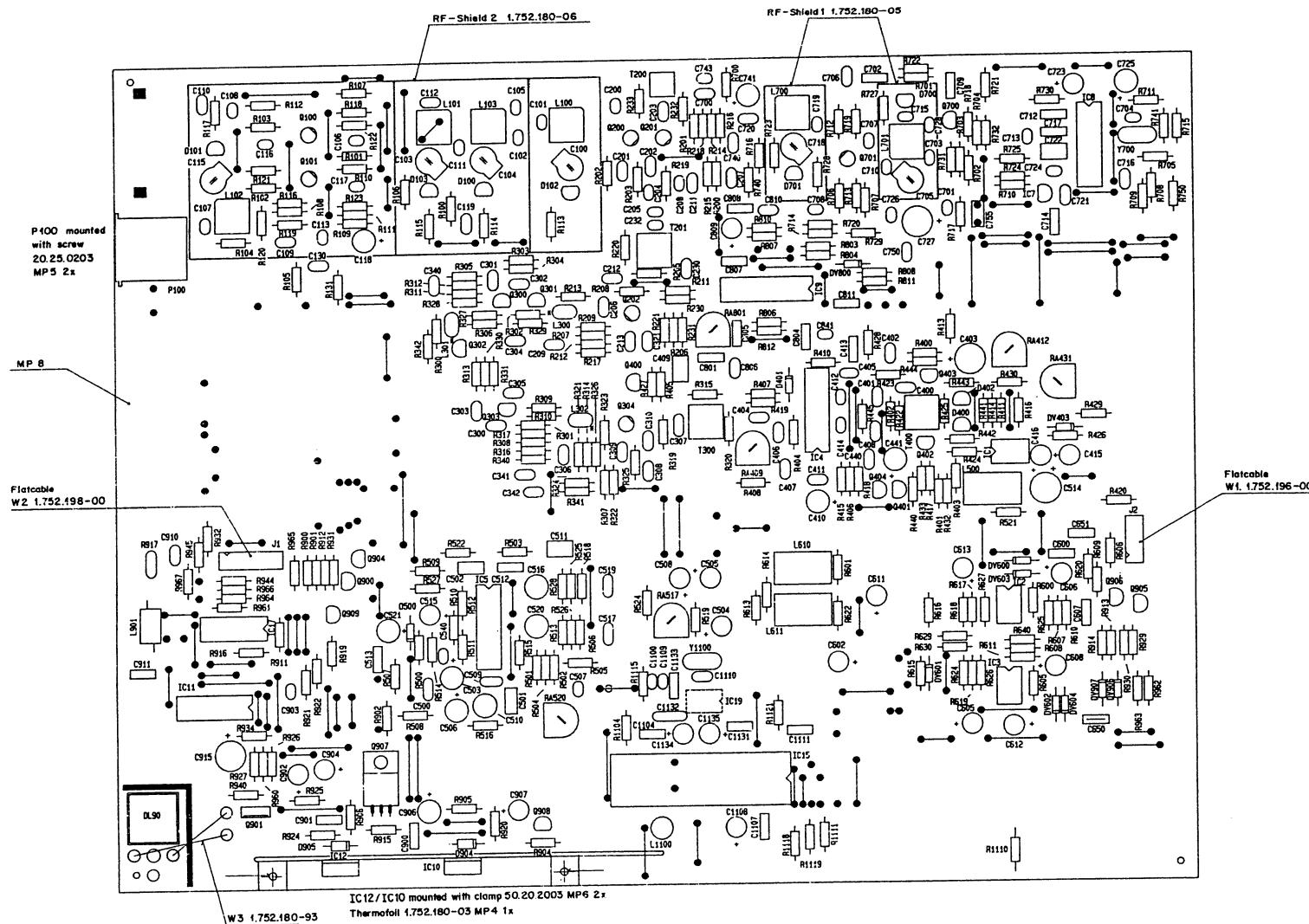
**REVOX**

#### **TUNER DESIGN SERIES**

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0 11.11.91 STW	1 24.02.93	TUNER DESIGN SERIES	PAGE 10 OF 10
REVOX	TUNER BOARD		SC 1.752.180-21



Nr. Etikette/ESE - Warnschild  
nach Fabrikationsmuster aufgeklebt.

Werkstatt:	Norm-Nr.:	Qualität:	(2)
DIN-Bez.:			(2)
Abmessung:		Öffnungsart:	(1)
Zugehörige Unterlagen:	Fremdsteckort:	Maßstab:	(1)
PL	x	1:1	Autoren:
Ersatz für:	Ersetzt durch:	Kopie Nr.:	
STUDIEN REICHSSOHN	FM TUNER UNIT EU	1.752.180-21	

1.752.180.21 FM-TUNER UNIT 1/4

I.752.180.21 FM-TUNER UNIT 1/4										
Ad	Pos.	Ref.No...	Description	Value	Unit	Function	Value	Unit	Function	Notes
C...100	59.18.0109	1.4-5.5p		100V	TRI	Ph,A	C...511	59.06.0334	330n	10%
C...101	59.34.3189	1p8	2%	63V	CER	P 100	C...512	59.06.0333	33n	10%
C...102	59.34.3189	1p8	2%	63V	CER	P 100	C...513	59.06.0104	100n	10%
C...103	59.18.0109	1.4-5.5p		100V	TRI	Ph,A	C...514	59.22.5101	100u	-20/+50%
C...104	59.18.0109	1.4-5.5p		100V	TRI	Ph,A	C...515	59.22.8229	2u2	-20/+50%
C...105	59.34.1120	12p	5%	63V	CER	NP 0	C...516	59.05.1332	3n3	1%
C...106	59.32.4102	1n	20%	50V	CER		C...517	59.34.4271	270p	5%
C...107	59.32.4471	470p	20%	50V	CER		C...519	59.34.4271	270p	5%
C...108	59.32.4102	1n	20%	50V	CER		C...520	59.05.1332	3n3	1%
C...109	59.32.3103	10n	20%	40V	CER		C...521	59.22.6220	22u	-20/+50%
C...110	59.32.3103	10n	20%	40V	CER		C...540	59.34.4220	22p	5%
C...111	59.32.4471	470p	20%	50V	CER		C...600	59.06.0103	10n	10%
C...112	59.32.3103	10n	20%	40V	CER		C...602	59.22.8109	1u	-20/+50%
C...113	59.32.4102	1n	20%	50V	CER		C...605	59.22.8109	1u	-20/+50%
C...115	59.18.0109	1.4-5.5p		100V	TRI	Ph,A	C...606	59.22.8109	1u	-20/+50%
C...116	59.34.1689	6p8	5%	63V	CER	NP 0	C...607	59.06.0103	10n	10%
C...117	59.32.4102	1n	20%	50V	CER		C...608	59.22.8109	1u	-20/+50%
C...118	59.22.6220	22u	-20/+50%	35V	EL		C...611	59.22.8109	1u	-20/+50%
C...119	59.32.3103	10n	20%	40V	CER		C...612	59.22.8109	1u	-20/+50%
C...120	59.32.3103	10n	20%	40V	CER		C...613	59.22.8109	1u	-20/+50%
C...200	59.32.4471	470p	20%	50V	CER		C...650	59.06.0104	100n	10%
C...201	59.32.3103	10n	20%	40V	CER		C...651	59.06.0104	100n	10%
C...202	59.32.3103	10n	20%	40V	CER		C...700	59.32.3103	10n	20%
C...203	59.32.3103	10n	20%	40V	CER		C...701	59.32.4102	1n	20%
C...204	59.34.2470	47p	5%	63V	CER	N 150	C...702	59.06.0472	4n7	10%
C...205	59.34.1150	15p	5%	63V	CER	NP 0	C...703	59.34.1100	10p	5%
C...206	59.32.3103	10n	20%	40V	CER		C...704	59.34.2270	27p	5%
C...207	59.32.3103	10n	20%	40V	CER		C...705	59.18.0109	1.4-5.5p	100V
C...208	59.34.2470	47p	5%	63V	CER	N 150	C...706	59.32.3103	10n	20%
C...209	59.32.3103	10n	20%	40V	CER		C...707	59.32.4102	1n	20%
C...211	59.32.3103	10n	20%	40V	CER		C...708	59.32.4102	1n	20%
C...212	59.32.3103	10n	20%	40V	CER		C...709	59.06.0683	68n	10%
C...213	59.32.3103	10n	20%	40V	CER		C...710	59.34.3399	3p9	2%
C...230	59.32.3103	10n	20%	40V	CER		C...712	59.06.0222	2n2	10%
C...232	59.34.1100	10p	5%	63V	CER	N P0	C...713	59.34.4680	68p	5%
C...300	59.32.3103	10n	20%	40V	CER		C...714	59.06.0104	100h	10%
C...301	59.32.3103	10n	20%	40V	CER		C...715	59.34.1689	6p8	5%
C...302	59.32.3103	10n	20%	40V	CER		C...716	59.32.3103	10n	20%
C...303	59.32.3103	10n	20%	40V	CER		C...717	59.06.0103	10n	10%
C...304	59.32.3103	10n	20%	40V	CER		C...718	59.18.0109	1.4-5.5p	100V
C...305	59.32.3103	10n	20%	40V	CER		C...719	59.32.4471	470p	20%
C...306	59.32.3103	10n	20%	40V	CER		C...720	59.32.3103	10n	20%
C...307	59.34.2181	180p	5%	63V	CER	N 150	C...721	59.32.3103	10n	20%
C...308	59.32.3103	10n	20%	40V	CER		C...722	59.06.0474	470n	10%
C...309	59.32.3103	10n	20%	40V	CER		C...723	59.22.3470	47u	-20/+50%
C...310	59.32.3103	10n	20%	40V	CER		C...724	59.32.4471	470p	20%
C...321	59.32.3103	10n	20%	40V	CER		C...725	59.22.3101	100u	-20/+50%
C...340	59.32.3103	10n	20%	40V	CER		C...726	59.32.4102	1n	20%
C...341	59.32.3103	10n	20%	40V	CER		C...727	59.22.5101	100u	-20/+50%
C...342	59.32.3103	10n	20%	40V	CER		C...728	59.34.2220	22p	5%
C...400	59.32.3103	10n	20%	40V	CER		C...740	59.32.3103	10n	20%
C...401	59.32.3103	10n	20%	40V	CER		C...741	59.22.6220	22u	-20/+50%
C...402	59.32.3103	10n	20%	40V	CER		C...743	59.32.4102	1n	20%
C...403	59.22.5101	100u	-20/+50%	25V	EL		C...750	59.34.4101	100p	5%
C...404	59.32.3103	10n	20%	40V	CER		C...755	59.06.0224	220n	10%
C...405	59.34.4101	100p	5%	63V	CER	N 750	C...801	59.06.0104	100n	10%
C...406	59.32.3103	10n	20%	40V	CER		C...804	59.06.0473	47n	10%
C...407	59.32.3103	10n	20%	40V	CER		C...805	59.06.0104	100n	10%
C...408	59.32.3103	10n	20%	40V	CER		C...806	59.32.3103	10n	20%
C...409	59.06.0334	330n	10%	63V	PETP		C...807	59.06.0223	22n	10%
C...410	59.22.6220	22u	-20/+50%	35V	EL		C...808	59.06.0473	47n	10%
C...411	59.32.3103	10n	20%	40V	CER		C...809	59.22.8109	1u	-20/+50%
C...412	59.34.2330	33p	5%	63V	CER	N 150	C...810	59.32.3103	10n	20%
C...413	59.06.0473	47n	10%	63V	PETP		C...811	59.06.0223	22n	10%
C...414	59.34.2330	33p	5%	63V	CER	N 150	C...841	59.34.2220	22p	5%
C...415	59.22.6100	10u	-20/+50%	35V	EL		C...900	59.06.0104	100n	10%
C...416	59.22.8479	4u7	-20/+50%	50V	EL		C...901	59.06.0104	100n	10%
C...440	59.32.3103	10n	20%	40V	CER		C...902	59.22.6100	10u	-20/+50%
C...441	59.22.6220	22u	-20/+50%	35V	EL		C...903	59.34.2470	47p	5%
C...500	59.34.4221	220p	5%	63V	CER	N 750	C...904	59.22.3470	47u	-20/+50%
C...501	59.06.0224	220n	10%	63V	PETP		C...906	59.22.6220	22u	-20/+50%
C...502	59.06.0224	220n	10%	63V	PETP		C...907	59.22.6100	10u	-20/+50%
C...503	59.22.6220	22u	-20/+50%	35V	EL		C...910	59.32.3103	10n	20%
C...504	59.22.8479	4u7	-20/+50%	50V	EL		C...911	59.06.0103	10n	10%
C...505	59.22.8479	4u7	-20/+50%	50V	EL		C...915	59.22.4101	100u	20%
C...506	59.22.6220	22u	-20/+50%	35V	EL		C...1100	59.34.4820	82p	5%
C...507	59.32.2122	1n2	10%	50V	CER		C...1104	59.06.0104	100n	10%
C...508	59.22.5220	22u	-20/+50%	25V	EL		C...1107	59.06.0104	100n	10%
C...509	59.34.2101	100p	5%	63V	CER	N 150	C...1108	59.22.3470	47u	-20/+50%
C...510	59.05.2331	330p	2.5%	630V	PP		C...1109	59.34.2470	47p	5%

## I.752.180.21 FM-TUNER UNIT 2/4

C..1133	59.06.0104	100n	10%	63V	PETP		Q...905	50.03.0515	BC307B	PNP	T092-1	A	
C..1134	59.22.8229	2u2	-20%/50%	50V	EL		Q...906	50.03.0515	BC307B	PNP	T092-1	A	
C..1135	59.22.8229	2u2	-20%/50%	50V	EL		Q...907	50.03.0801	2SA968	PNP	T0220-1	A	
D...100	50.04.0126	BB 20	4 RED	D-CAPACITY	Sie		Q...908	50.03.0436	BC237B	NPN	T092-1	A	
D...101	50.04.0126	BB 20	4 RED	D-CAPACITY	Sie		Q...909	50.03.0436	BC237B	NPN	T092-1	A	
D...102	50.04.0126	BB 20	4 RED	D-CAPACITY	Sie	R...100	57.11.3104	100k	1%	0.6W	0207	MF	
D...103	50.04.0126	BB 20	4 RED	D-CAPACITY	Sie	R...101	57.11.3221	220E	1%	0.6W	0207	MF	
D...400	50.99.0168	BB130	SOD69	D-CAPACITY	Ph	R...102	57.11.3154	150k	1%	0.6W	0207	MF	
D...401	50.04.0125	IN4448	DO35	RECTIFIER	A	R...103	57.11.3470	47E	1%	0.6W	0207	MF	
D...402	50.99.0168	BB130	SOD69	D-CAPACITY	Ph	R...104	57.11.3103	10k	1%	0.6W	0207	MF	
D...500	50.04.0125	IN4448	DO35	RECTIFIER	A	R...105	57.11.3472	4k7	1%	0.6W	0207	MF	
D...700	50.04.0126	BB 20	4 RED	D-CAPACITY	Sie	R...106	57.11.3153	15k	1%	0.6W	0207	MF	
D...701	50.04.0126	BB 20	4 RED	D-CAPACITY	Sie	R...107	57.11.3473	47k	1%	0.6W	0207	MF	
D...904	50.04.0105	IN4004	DO41	RECTIFIER	A	R...108	57.11.3564	560k	1%	0.6W	0207	MF	
D...905	50.04.0105	IN4004	DO41	RECTIFIER	A	R...109	57.11.3030	33E/1\	5%	0.33W	0207	R-FUSE	
DL...90	50.04.2852	MU02-4	201	QUAD-LED yellow	Sty	R...110	57.11.3470	47E	1%	0.6W	0207	MF	
DV..403	50.04.1112	5.1V	5%	0.5W	DO35	ZENER	R...111	57.11.3202	2k	1%	0.6W	0207	MF
DV..600	50.04.1112	5.1V	5%	0.5W	DO35	ZENER	R...112	57.11.3564	560k	1%	0.6W	0207	MF
DV..601	50.04.1102	6.8V	5%	0.5W	DO35	ZENER	R...113	57.11.3104	100k	1%	0.6W	0207	MF
DV..602	50.04.1112	5.1V	5%	0.5W	DO35	ZENER	R...114	57.11.3104	100k	1%	0.6W	0207	MF
DV..603	50.04.1112	5.1V	5%	0.5W	DO35	ZENER	R...115	57.11.3104	100k	1%	0.6W	0207	MF
DV..604	50.04.1112	5.1V	5%	0.5W	DO35	ZENER	R...116	57.11.3474	470k	1%	0.6W	0207	MF
DV..800	50.04.1108	5.6V	5%	0.5W	DO35	ZENER	R...117	57.11.3104	100k	1%	0.6W	0207	MF
DV..906	50.04.1135	3.6V	5%	0.5W	DO35	ZENER	R...118	57.11.3202	2k	1%	0.6W	0207	MF
DV..907	50.04.1135	3.6V	5%	0.5W	DO35	ZENER	R...119	57.11.3103	10k	1%	0.6W	0207	MF
IC....1	50.09.0122	TLC272	DIP08	PRECISION DUAL OPAMP	TI,STM	R...120	57.11.3472	4k7	1%	0.6W	0207	MF	
IC....2	50.09.0122	TLC272	DIP08	PRECISION DUAL OPAMP	TI,STM	R...121	57.11.3221	220E	1%	0.6W	0207	MF	
IC....3	50.09.0122	TLC272	DIP08	PRECISION DUAL OPAMP	TI,STM	R...122	57.11.3030	33E/1\	5%	0.33W	0207	R-FUSE	
IC....4	50.11.0129	TDA1576	DIP18	FM-ZF VERSTAERKER	Ph	R...123	57.11.3221	220E	1%	0.6W	0207	MF	
IC....5	50.13.0113	TDA1578A	-S3	DIP18 PLL STEREO DECODER	Ph	R...124	57.11.3103	10k	1%	0.6W	0207	MF	
IC....7	50.10.0108	LM317L	T092	VOLTAGE REG. +	A	R...125	57.11.3221	220E	1%	0.6W	0207	MF	
IC....8	50.13.0105	SAA1057	SYNTHESIZER MODUL	Ph	R...126	57.11.3470	47E	1%	0.6W	0207	MF		
IC....9	50.11.0300	TEA6100	DIP20 FM/ZF AMPLIFIER	Ph	R...127	57.11.3471	470k	1%	0.6W	0207	MF		
IC...10	50.10.0104	LM317SP	T0220	VOLTAGE REG. +	A	R...128	57.11.3114	110k	1%	0.6W	0207	MF	
IC...11	50.07.0018	HEF4094	DIP16 SHIFT AND STORE BUS REG.	A	R...129	57.11.3331	330E	1%	0.6W	0207	MF		
IC...12	50.10.0104	LM317SP	T0220	VOLTAGE REG. +	A	R...130	57.11.3224	220k	1%	0.6W	0207	MF	
IC...15	1.752.190.20	80C652P	AB030	DIP40 SINGLE CHIP MPG (RDS)	Ph	R...131	57.11.3470	47E	1%	0.6W	0207	MF	
IC...17	50.17.4066	HC4066	DIP14 QUAD ANALOG SWITCH	A	R...132	57.19.0330	33E/1\	5%	0.33W	0207	R-FUSE		
IC...19	50.61.0502	SAA6579T	S016	RDS-DEMODULATOR	Ph	R...133	57.19.0330	33E/1\	5%	0.33W	0207	R-FUSE	
L...100	1.726.250.31	4.5/1.25	RF-COIL ADJ	Com	R...134	57.11.3221	220E	1%	0.6W	0207	MF		
L...101	1.746.240.06	4.5/0.75	RF-COIL ADJ	Com	R...135	57.11.3221	220E	1%	0.6W	0207	MF		
L...102	1.746.240.06	4.5/0.75	RF-COIL ADJ	Com	R...136	57.11.3221	220E	1%	0.6W	0207	MF		
L...103	1.746.240.06	4.5/0.75	RF-COIL ADJ	Com	R...137	57.11.3473	47k	1%	0.6W	0207	MF		
L...300	89.01.4402	10.7MHZ	CERAMIC FILTER SFE10.7MX2K-A	Mur	R...138	57.11.3104	100k	1%	0.6W	0207	MF		
L...301	89.01.4402	10.7MHZ	CERAMIC FILTER SFE10.7MX2K-A	Mur	R...139	57.11.3754	750k	1%	0.6W	0207	MF		
L...302	89.01.4402	10.7MHZ	CERAMIC FILTER SFE10.7MX2K-A	Mur	R...140	57.11.3470	47E	1%	0.6W	0207	MF		
L...500	1.746.240.03	90KHZ-LPF	ABW-07	Com	R...141	57.11.3433	43k	1%	0.6W	0207	MF		
L...610	1.752.250.22	19KHZ-LPF	ABW-07	Com	R...142	57.11.3470	47E	1%	0.6W	0207	MF		
L...611	1.752.250.22	19KHZ-LPF	ABW-07	Com	R...143	57.19.0330	33E/1\	5%	0.33W	0207	R-FUSE		
L...700	1.752.250.23	3.5/1.75	OSCI. COIL	Com	R...144	57.19.0151	150E/1\	5%	0.33W	0207	R-FUSE		
L...701	1.728.260.06	3.5/0.75	OSCI. COIL	Com	R...145	57.11.3470	47E	1%	0.6W	0207	MF		
L...901	62.01.0115	2.5WD	WIDEBAND-CHOKE	Ph	R...146	57.11.3470	47E	1%	0.6W	0207	MF		
L...1100	62.02.3220	22u	10% 1E4 (OHM) HF-CHOKE	Ph	R...147	57.11.3102	1k	1%	0.6W	0207	MF		
MP....1	1.752.180.05	2 pcs	RF SHIELD 1	St	R...148	57.11.3102	1k	1%	0.6W	0207	MF		
MP....2	1.752.180.06	2 pcs	RF SHIELD 2	St	R...149	57.11.3391	390E	1%	0.6W	0207	MF		
MP....3	1.752.180.04	2 pcs	HEATSINK	St	R...150	57.11.3102	1k	1%	0.6W	0207	MF		
MP....4	1.752.180.03	2 pcs	THERMOPOIL	St	R...151	57.11.3330	33E	1%	0.6W	0207	MF		
MP....5	20.25.0203	2 pcs	ANTENNA SCREW	St	R...152	57.11.3102	1k	1%	0.6W	0207	MF		
MP....6	50.20.2003	2 pcs	CLAMP	St	R...153	57.11.3272	2k7	1%	0.6W	0207	MF		
MP....7	21.99.0180	2 pcs	SCREW to HEATSINK	St	R...154	57.11.3114	110k	1%	0.6W	0207	MF		
MP....8	1.752.180.13	Empty PCB		St	R...155	57.11.3302	3k	1%	0.6W	0207	MF		
P...100	54.23.0001	ANTENNA	ANG. MALE KOAX	Hi	R...156	57.11.3101	100E	1%	0.6W	0207	MF		
Q...100	1.010.043.50	BF961	X-PLAST Sel.	Sie	R...157	57.11.3311	330E	1%	0.6W	0207	MF		
Q...101	1.010.043.50	BF961	X-PLAST Sel.	Sie	R...158	57.19.0151	150E/1\	5%	0.33W	0207	R-FUSE		
Q...200	1.010.043.50	BF961	X-PLAST Sel.	Sie	R...159	57.11.3311	330E	1%	0.6W	0207	MF		
Q...201	1.010.043.50	BF961	X-PLAST Sel.	Sie	R...160	57.11.3311	330E	1%	0.6W	0207	MF		
Q...202	1.010.052.50	BF963	X-PLAST	Sie	R...161	57.11.3224	220k	1%	0.6W	0207	MF		
Q...300	50.03.0576	BF959	NPN T092-10	Sie	R...162	57.11.3311	330E	1%	0.6W	0207	MF		
Q...301	50.03.0576	BF959	NPN T092-10	Sie	R...163	57.11.3272	2k7	1%	0.6W	0207	MF		
Q...302	50.03.0576	BF959	NPN T092-10	Sie	R...164	57.11.3470	47E	1%	0.6W	0207	MF		
Q...303	50.03.0576	BF959	NPN T092-10	Sie	R...165	57.11.3101	100E	1%	0.6W	0207	MF		
Q...304	1.010.043.50	BF961	X-PLAST Sel.	Sie	R...166	57.11.3513	51k	1%	0.6W	0207	MF		
Q...400	50.03.0436	BC237B	NPN T092-1	A	R...167	57.11.3104	100k	1%	0.6W	0207	MF		
Q...401	50.03.0436	BC237B	NPN T092-1	A	R...168	57.11.3470	47E	1%	0.6W	0207	MF		
Q...402	50.03.0628	BF450	PNP T092-10	Ph	R...169	57.19.0151	150E/1\	5%	0.33W	0207	R-FUSE		
Q...403	50.03.0628	BF450	PNP T092-10	Ph	R...170	57.11.3221	220E	1%	0.6W	0207	MF		
Q...404	50.03.0436	BC237B	NPN T092-1	A	R...171	57.11.3331	330E	1%	0.6W	0207	MF		
Q...700	50.03.0577	BF496	NPN T092-1	Ph	R...172	57.11.3302	3k	1%	0.6W	0207	MF		
Q...701	1.010.043.50	BF961	X-PLAST Sel.	Sie	R...173	57.11.3101	100E	1%	0.6W	0207	MF		
Q...900	50.03.0515	BC307B	PNP T092-1	A	R...174	57.11.3221	220E	1%	0.6W	0207	MF		
Q...901	50.03.0451	BD139-10	NPN T0126-1	A	R...175	57.11.3303	33E	1%	0.6W	0207	MF		
Q...904	50.03.0515	BC307B	PNP T092-1	A	R...176	57.11.3300	33E	1%	0.6W	0207	MF		

## I.752.180.21 FM-TUNER UNIT 3/4

R...331	57.11.3391	390E	1%	0.6W	0207	MF	R...620	57.11.3101	100E	1%	0.6W	0207	MF
R...340	57.19.0151	150E/!\`	5%	0.33W	0207	R-FUSE	R...622	57.11.3512	5k1	1%	0.6W	0207	MF
R...341	57.19.0151	150E/!\`	5%	0.33W	0207	R-FUSE	R...624	57.11.3303	30k	1%	0.6W	0207	MF
R...342	57.19.0151	150E/!\`	5%	0.33W	0207	R-FUSE	R...625	57.11.3104	100k	1%	0.6W	0207	MF
R...400	57.11.3562	5k6	1%	0.6W	0207	MF	R...626	57.11.3103	10k	1%	0.6W	0207	MF
R...401	57.11.3472	4k7	1%	0.6W	0207	MF	R...627	57.11.3103	10k	1%	0.6W	0207	MF
R...402	57.11.3471	470E	1%	0.6W	0207	MF	R...629	57.11.3224	220k	1%	0.6W	0207	MF
R...403	57.11.3223	22k	1%	0.6W	0207	MF	R...630	57.11.3623	62k	1%	0.6W	0207	MF
R...404	57.11.3471	470E	1%	0.6W	0207	MF	R...640	57.11.3224	220k	1%	0.6W	0207	MF
R...405	57.11.3183	18k	1%	0.6W	0207	MF	R...700	57.11.3473	47k	1%	0.6W	0207	MF
R...406	57.11.3221	220E	1%	0.6W	0207	MF	R...701	57.11.3103	10k	1%	0.6W	0207	MF
R...407	57.11.3224	220k	1%	0.6W	0207	MF	R...702	57.11.3272	2k7	1%	0.6W	0207	MF
R...408	57.11.3682	6k8	1%	0.6W	0207	MF	R...703	57.11.3471	470E	1%	0.6W	0207	MF
R...410	57.11.3474	470k	1%	0.6W	0207	MF	R...704	57.11.3103	10k	1%	0.6W	0207	MF
R...411	57.11.3472	4k7	1%	0.6W	0207	MF	R...705	57.11.3472	4k7	1%	0.6W	0207	MF
R...413	57.11.3222	2k2	1%	0.6W	0207	MF	R...706	57.11.3470	47E	1%	0.6W	0207	MF
R...414	57.11.3391	390E	1%	0.6W	0207	MF	R...707	57.11.3473	47k	1%	0.6W	0207	MF
R...415	57.19.0330	33E/!\`	5%	0.33W	0207	R-FUSE	R...708	57.11.3472	4k7	1%	0.6W	0207	MF
R...416	57.11.3203	20k	1%	0.6W	0207	MF	R...709	57.11.3472	4k7	1%	0.6W	0207	MF
R...417	57.11.3182	1k8	1%	0.6W	0207	MF	R...710	57.11.3113	11k	1%	0.6W	0207	MF
R...418	57.11.3221	220E	1%	0.6W	0207	MF	R...711	57.11.3473	47k	1%	0.6W	0207	MF
R...419	57.11.3152	1k5	1%	0.6W	0207	MF	R...712	57.11.3470	47E	1%	0.6W	0207	MF
R...420	57.11.3102	1k	1%	0.6W	0207	MF	R...713	57.11.3224	220k	1%	0.6W	0207	MF
R...422	57.11.3221	220E	1%	0.6W	0207	MF	R...714	57.11.3154	150k	1%	0.6W	0207	MF
R...423	57.11.3471	470E	1%	0.6W	0207	MF	R...715	57.19.0479	4E7/!\`	5%	0.33W	0207	R-FUSE
R...424	57.11.3223	22k	1%	0.6W	0207	MF	R...716	57.19.0330	33E/!\`	5%	0.33W	0207	R-FUSE
R...425	57.11.3562	5k6	1%	0.6W	0207	MF	R...717	57.11.3222	2k2	1%	0.6W	0207	MF
R...426	57.11.3472	4k7	1%	0.6W	0207	MF	R...718	57.11.3150	15E	1%	0.6W	0207	MF
R...427	57.11.3103	10k	1%	0.6W	0207	MF	R...719	57.11.3221	220E	1%	0.6W	0207	MF
R...428	57.11.3102	1k	1%	0.6W	0207	MF	R...720	57.11.3114	110k	1%	0.6W	0207	MF
R...429	57.11.3222	2k2	1%	0.6W	0207	MF	R...721	57.11.3103	10k	1%	0.6W	0207	MF
R...430	57.11.3222	2k2	1%	0.6W	0207	MF	R...722	57.11.3103	10k	1%	0.6W	0207	MF
R...432	57.11.3472	4k7	1%	0.6W	0207	MF	R...723	57.11.3104	100k	1%	0.6W	0207	MF
R...433	57.11.3182	1k8	1%	0.6W	0207	MF	R...724	57.11.3511	510E	1%	0.6W	0207	MF
R...440	57.19.0330	33E/!\`	5%	0.33W	0207	R-FUSE	R...725	57.11.3153	15k	1%	0.6W	0207	MF
R...441	57.11.3472	4k7	1%	0.6W	0207	MF	R...727	57.11.3103	10k	1%	0.6W	0207	MF
R...442	57.11.3101	100E	1%	0.6W	0207	MF	R...728	57.11.3104	100k	1%	0.6W	0207	MF
R...443	57.11.3101	100E	1%	0.6W	0207	MF	R...729	57.11.3103	10k	1%	0.6W	0207	MF
R...444	57.11.3183	18k	1%	0.6W	0207	MF	R...730	57.11.3181	180E	1%	0.6W	0207	MF
R...445	57.11.3223	22k	1%	0.6W	0207	MF	R...731	57.11.3470	47E	1%	0.6W	0207	MF
R...500	57.11.3223	22k	1%	0.6W	0207	MF	R...732	57.11.3103	10k	1%	0.6W	0207	MF
R...501	57.11.3154	150k	1%	0.6W	0207	MF	R...740	57.19.0330	33E/!\`	5%	0.33W	0207	R-FUSE
R...502	57.11.3683	68k	1%	0.6W	0207	MF	R...741	57.11.3102	1k	1%	0.6W	0207	MF
R...503	57.11.3103	10k	1%	0.6W	0207	MF	R...750	57.11.3223	22k	1%	0.6W	0207	MF
R...504	57.11.3393	39k	1%	0.6W	0207	MF	R...803	57.19.0680	68E/!\`	5%	0.33W	0207	R-FUSE
R...505	57.11.3103	10k	1%	0.6W	0207	MF	R...804	57.19.0680	68E/!\`	5%	0.33W	0207	R-FUSE
R...506	57.11.3103	10k	1%	0.6W	0207	MF	R...806	57.11.3102	1k	1%	0.6W	0207	MF
R...507	57.11.3103	10k	1%	0.6W	0207	MF	R...807	57.11.3472	4k7	1%	0.6W	0207	MF
R...508	57.11.3103	10k	1%	0.6W	0207	MF	R...808	57.11.3472	4k7	1%	0.6W	0207	MF
R...509	57.11.3512	5k1	1%	0.6W	0207	MF	R...810	57.11.3751	750E	1%	0.6W	0207	MF
R...510	57.11.3472	4k7	1%	0.6W	0207	MF	R...811	57.11.3151	150E	1%	0.6W	0207	MF
R...511	57.11.3223	22k	1%	0.6W	0207	MF	R...812	57.11.3331	330E	1%	0.6W	0207	MF
R...512	57.11.3473	47k	1%	0.6W	0207	MF	R...809	57.11.3681	680E	1%	0.6W	0207	MF
R...513	57.11.3243	24k	1%	0.6W	0207	MF	R...901	57.11.3103	10k	1%	0.6W	0207	MF
R...514	57.11.3223	22k	1%	0.6W	0207	MF	R...902	57.11.3103	10k	1%	0.6W	0207	MF
R...515	57.11.3184	180k	1%	0.6W	0207	MF	R...904	57.11.3222	2k2	1%	0.6W	0207	MF
R...516	57.19.0330	33E/!\`	5%	0.33W	0207	R-FUSE	R...905	57.11.3181	180E	1%	0.6W	0207	MF
R...518	57.11.3333	33k	1%	0.6W	0207	MF	R...906	57.11.3821	820E	1%	0.6W	0207	MF
R...519	57.11.3102	1k	1%	0.6W	0207	MF	R...911	57.11.3223	22k	1%	0.6W	0207	MF
R...521	57.11.3472	4k7	1%	0.6W	0207	MF	R...912	57.11.3472	4k7	1%	0.6W	0207	MF
R...522	57.11.3103	10k	1%	0.6W	0207	MF	R...913	57.11.3103	10k	1%	0.6W	0207	MF
R...524	57.11.3333	33k	1%	0.6W	0207	MF	R...914	57.11.3103	10k	1%	0.6W	0207	MF
R...525	57.11.3473	47k	1%	0.6W	0207	MF	R...915	57.11.3222	2k2	1%	0.6W	0207	MF
R...526	57.11.3473	47k	1%	0.6W	0207	MF	R...916	57.11.3223	22k	1%	0.6W	0207	MF
R...527	57.11.3222	2k2	1%	0.6W	0207	MF	R...917	57.92.7013	0E5	1%	0.5A	60V	R-PTC
R...528	57.11.3243	24k	1%	0.6W	0207	MF	R...919	57.11.3472	4k7	1%	0.6W	0207	MF
R...600	57.11.3103	10k	1%	0.6W	0207	MF	R...920	57.11.3103	10k	1%	0.6W	0207	MF
R...601	57.11.3512	5k1	1%	0.6W	0207	MF	R...921	57.11.3472	4k7	1%	0.6W	0207	MF
R...605	57.11.3103	10k	1%	0.6W	0207	MF	R...922	57.11.3103	10k	1%	0.6W	0207	MF
R...606	57.11.3101	100E	1%	0.6W	0207	MF	R...924	57.11.3201	200E	1%	0.6W	0207	MF
R...607	57.11.3104	100k	1%	0.6W	0207	MF	R...925	57.11.3621	620E	1%	0.6W	0207	MF
R...608	57.11.3222	2k2	1%	0.6W	0207	MF	R...926	57.11.3271	270E	1%	0.6W	0207	MF
R...609	57.11.3101	100E	1%	0.6W	0207	MF	R...927	57.11.3471	470E	1%	0.6W	0207	MF
R...610	57.11.3101	100E	1%	0.6W	0207	MF	R...929	57.11.3103	10k	1%	0.6W	0207	MF
R...611	57.11.3222	2k2	1%	0.6W	0207	MF	R...930	57.11.3103	10k	1%	0.6W	0207	MF
R...613	57.11.3472	4k7	1%	0.6W	0207	MF	R...931	57.11.3103	10k	1%	0.6W	0207	MF
R...614	57.11.3472	4k7	1%	0.6W	0207	MF	R...932	57.11.3471	470E	1%	0.6W	0207	MF
R...615	57.11.3222	2k2	1%	0.6W	0207	MF	R...934	57.11.3472	4k7	1%	0.6W	0207	MF
R...616	57.11.3623	62k	1%	0.6W	0207	MF	R...935	57.11.3271	270E	1%	0.6W	0207	MF
R...617	57.11.3103	10k	1%	0.6W	0207	MF	R...936	57.11.3472	4k7	1%	0.6W	0207	MF
R...618	57.11.3303	30k	1%	0.6W	0207	MF	R...937	57.11.3471	470E	1%	0.6W	0207	MF
R...619	57.11.3103	10k	1%	0.6W	0207	MF	R...938	57.11.3472	4k7	1%	0.6W	0207	MF

## 1.752.180.21 FM-TUNER UNIT 4/4

R...962	57.11.3472	4k7	1%	0.6W	0207	MF
R...963	57.11.3472	4k7	1%	0.6W	0207	MF
R...964	57.11.3151	150E	1%	0.6W	0207	MF
R...965	57.11.3102	1k	1%	0.6W	0207	MF
R...966	57.11.3102	1k	1%	0.6W	0207	MF
R...967	57.11.3471	470E	1%	0.6W	0207	MF
R..1104	57.11.3222	2k2	1%	0.6W	0207	MF
R..1110	57.11.3470	47E	1%	0.6W	0207	MF
R..1111	57.11.3472	4k7	1%	0.6W	0207	MF
R..1115	57.11.3222	2k2	1%	0.6W	0207	MF
R..1118	57.11.3151	150E	1%	0.6W	0207	MF
R..1119	57.11.3151	150E	1%	0.6W	0207	MF
R..1121	57.11.3102	1k	1%	0.6W	0207	MF
RA..409	58.02.5103	10k	20%	0.1W	CF	
RA..412	58.02.5223	22k	20%	0.1W	CF	
RA..431	58.02.5222	2k2	20%	0.1W	CF	
RA..517	58.02.5223	22k	20%	0.1W	CF	
RA..520	58.02.5103	10k	20%	0.1W	CF	
RA..801	58.02.5103	10k	20%	0.1W	CF	
T...200	1.728.260.07	S YM. TRAPO			GI	
T...201	1.752.250.21	I F Mixer Coil			GI	
T...300	1.726.250.27	I F COIL 2			GI,Com	
T...400	1.726.250.29	I F-OSC.COIL			GI	
W.....1	1.752.196.00	Wire List Flatcable 8 Pin			St	
W.....2	1.752.198.00	Wire List Flatcable 12 Pin			St	
W.....3	1.752.180.93	Wire List Ikon			St	
Y...700	89.01.0550	4.000MHZ		HC18/43/49/U	A	
Y..1100	89.01.1006	4.332MHZ		HC18/43/49/U	A	

far93/04/0700

MF=Metalfilm

CF=Carbonfilm

Cer=Ceramic

PETP=Polyester

PP=Polypropylen

Tri=Trimmer

El=Electrolytic

MANUFACTURER: A=any, GI=Dam/General Instruments Malta, Sie=Siemens,

Ph=Philips, St=Studer, STM=SGS-Thomson, TI=Texas Instr.,

Com=Componex/Tokco, Mur=Murata/Erie, Sty=Stanley,

Hi= Hirschmann,

END

**I.752.230.00 INTERCONNECTION UNIT TOP**

Ad ...Pos.. ...Ref.No... Description .....

IC....1	50.62.9066	HEP 4066B T,	,A
J.....4	54.14.5540	Connector 20 Pole	
J....6	54.14.5508	Connector 8 Pole	
MP....1	1.752.230.11	INTERCONNECTION PCB TOP	
01 MP....1	1.752.230.12	INTERCONNECTION PCB TOP	
P....3	54.14.5590	Plug 20 Pole	
R...131	57.10.1104	100 k 18, 0204 , MF	
R...132	57.10.1104	100 k 18, 0204 , MF	
W....1	1.752.230.94	Cable List INTRECONNECTION TOP	

(01) PCB INDEX from -11 to -12

MER91/11/1900  
STW92/04/2001

EL=Electrolytic, CER=Ceramic, PETP=Polyester, SI=Silicon, MF=Metalfilm

Manufacturer: NS=National Semiconductors, TI=Texas Instruments  
MOT=Motorola, Ph=Philips, St=Studer, SGT=SGS Thomson  
END

**I.752.240.00 INTERCONNECTION UNIT BOTTOM**

Ad ...Pos.. ...Ref.No... Description .....

J.....3	54.14.5540	Connector 20 Pole
J.....5	54.14.5512	Connector 12 Pole
MP....1	1.752.240.11	INTERCONNECTION PCB BOTTOM
01 MP....1	1.752.240.12	INTERCONNECTION PCB BOTTOM
P....1	54.14.5590	Plug 20 Pole
W....1	1.752.230.94	Cable List INTRECONNECTION BOTTOM

(01) PCB INDEX from -11 to -12

MER91/11/1900

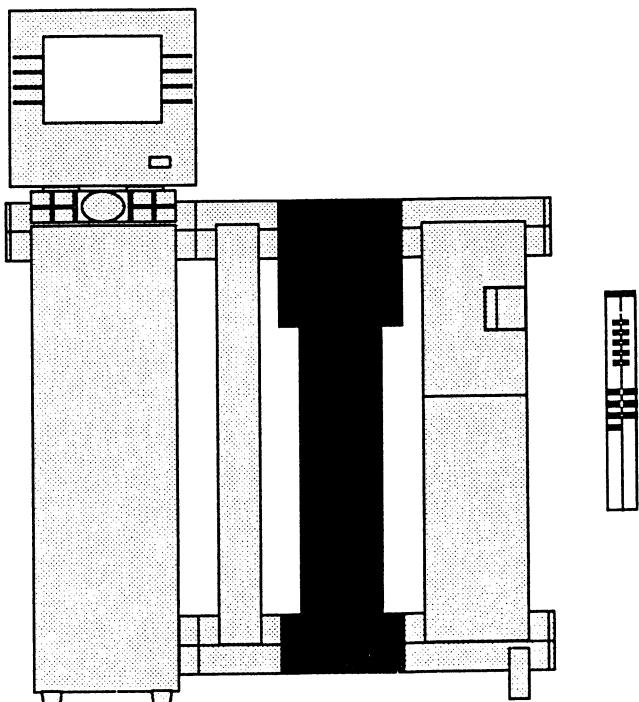
STW92/04/2001

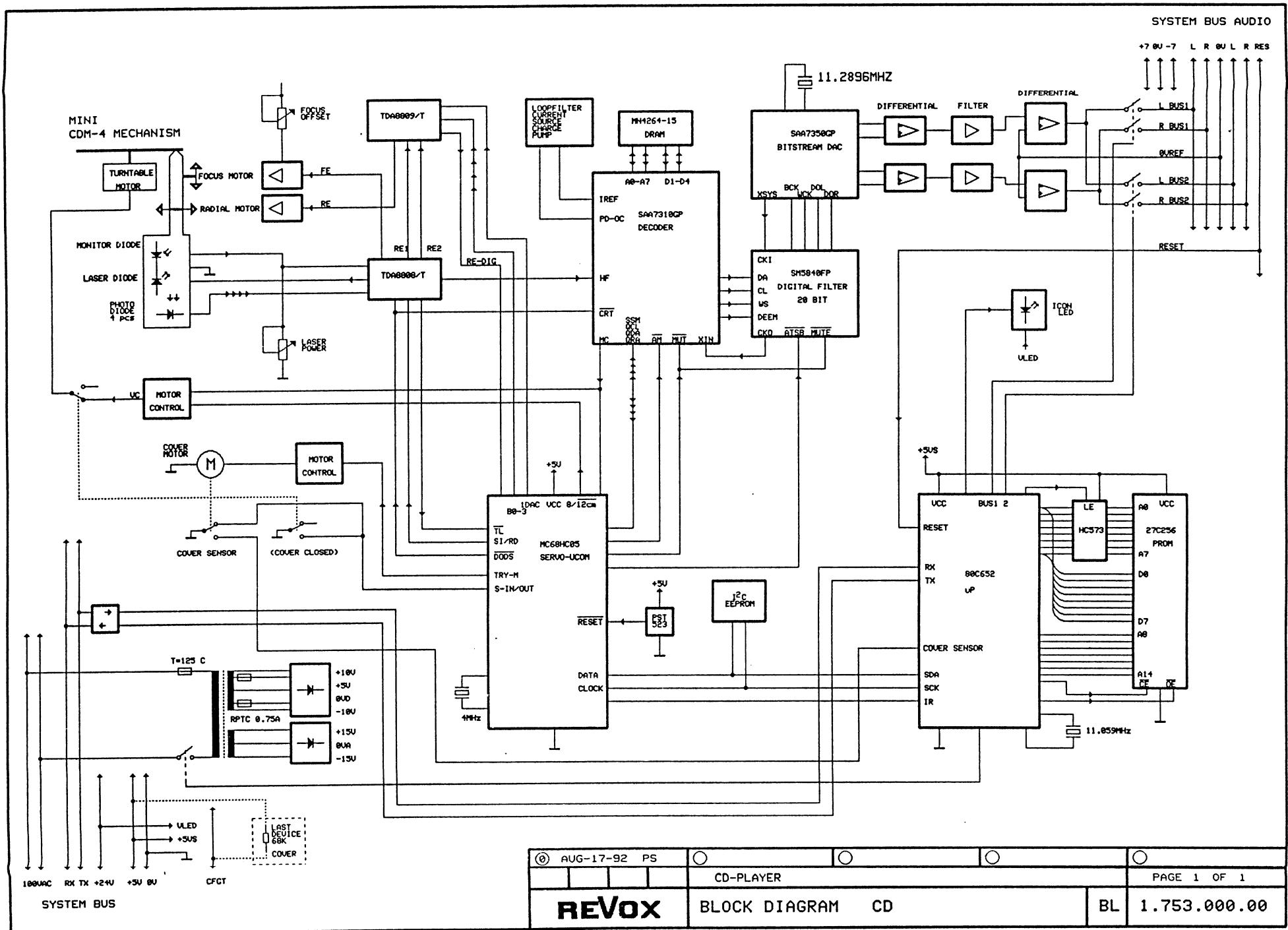
EL=Electrolytic, CER=Ceramic, PETP=Polyester, SI=Silicon, MF=Metalfilm

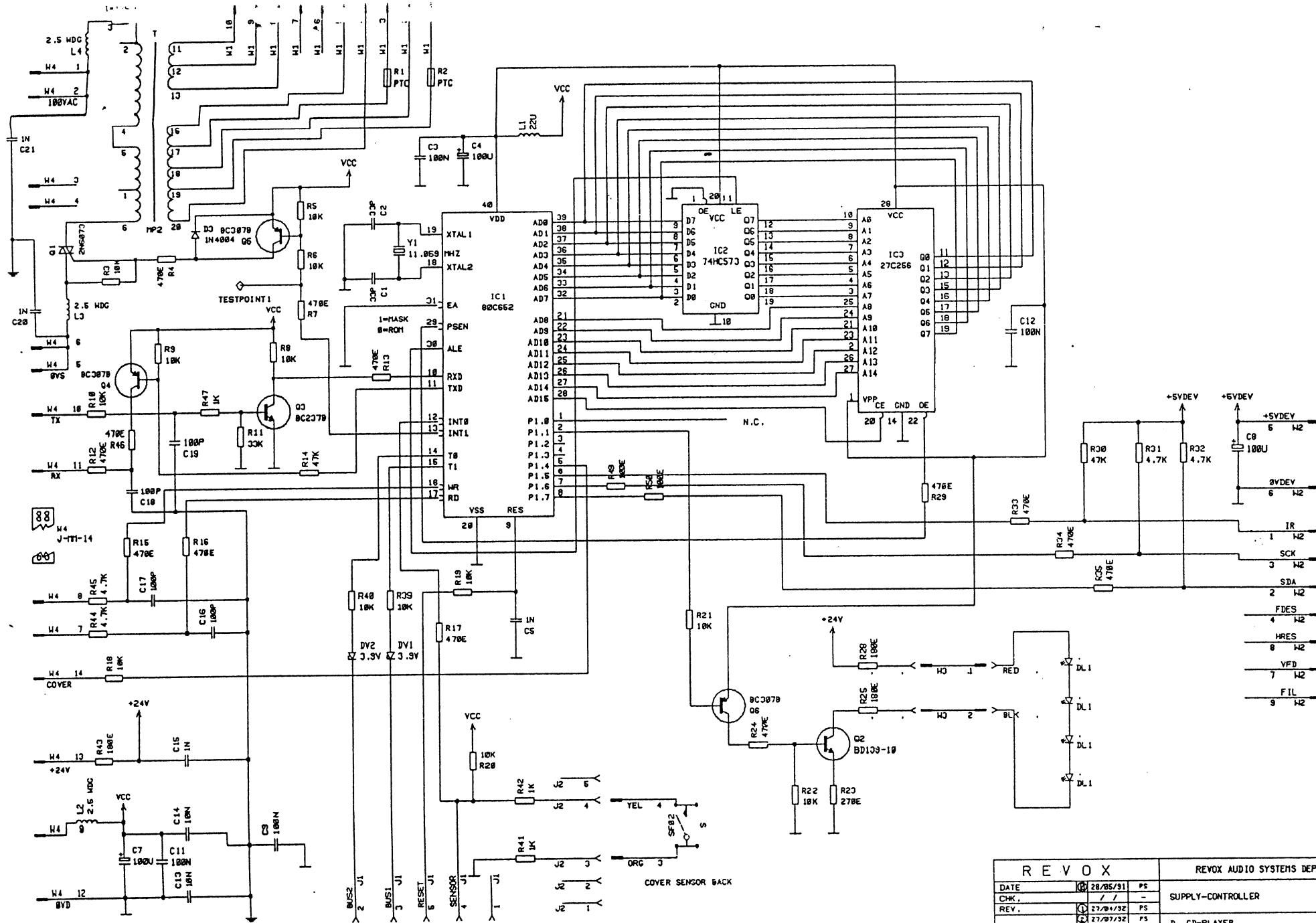
Manufacturer: NS=National Semiconductors, TI=Texas Instruments  
MOT=Motorola, Ph=Philips, St=Studer, SGT=SGS Thomson  
END

**Schemata CD-Spieler****Schematic diagrams CD-Player****Schémas du lecteur CD**

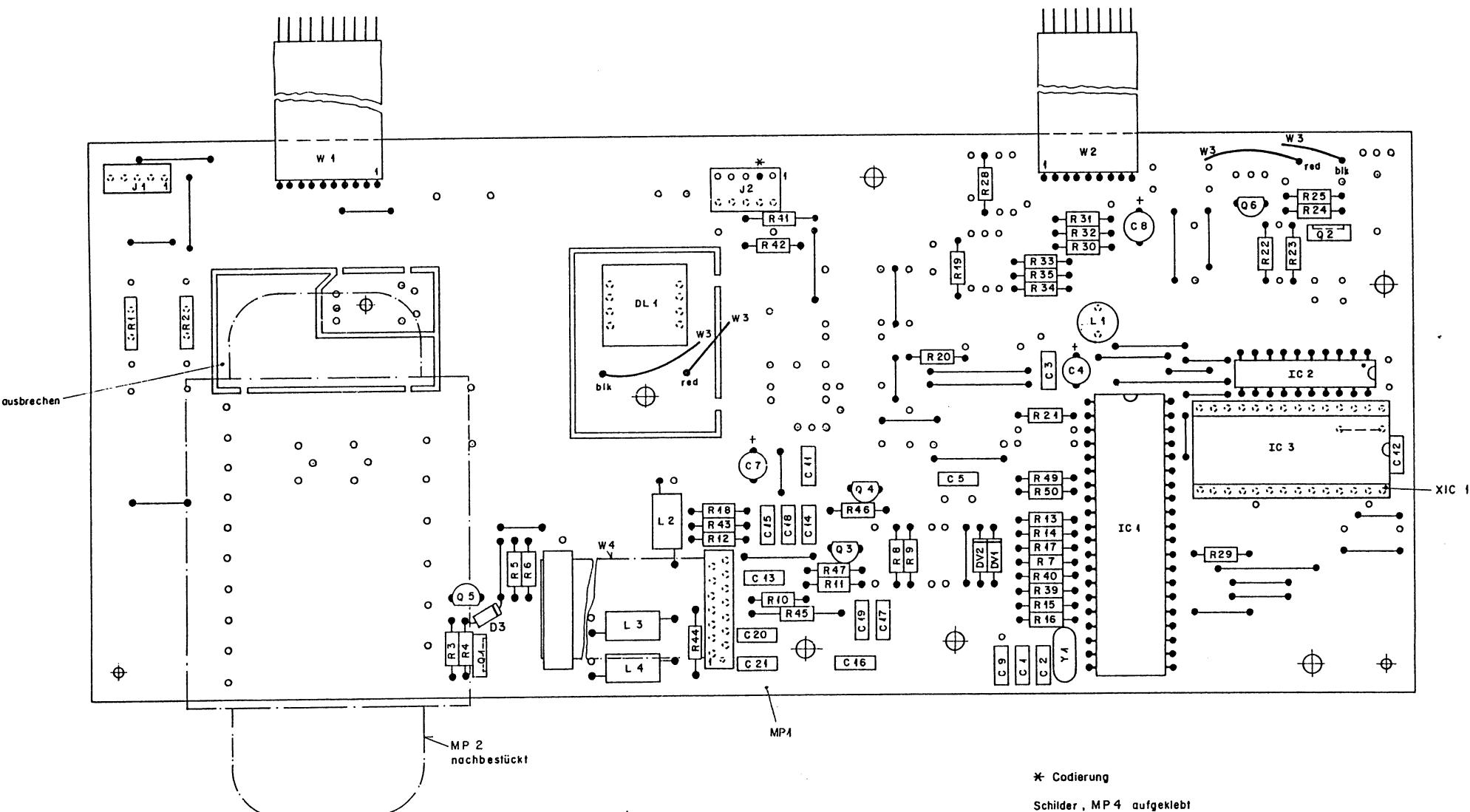
Block diagram	1.753.000.00
Supply controller board	1.753.200.20
Cover sensor unit	1.753.230.00
Decoder board	1.753.250.00
Servo board modifications	1.753.251.00
Converter board modifications	1.753.252.00
Flex jumper extension	1.753.256.00
«Verdrahtung CD-Antrieb»	1.753.257.00
«Unterbrecher»	1.753.258.00
Audio buffer unit	1.753.260.00
Bus connection unit top	1.753.270.00
Bus connection unit bottom	1.753.280.00
«Motor kpl.»	1.753.352.00







R E V O X		REVOX AUDIO SYSTEMS DEPARTMENT	
DATE	28/05/91	PS	
CHK.	/ /	-	
REV.	27/04/92		SUPPLY-CONTROLLER
	27/07/92	PS	
	23/01/93	PS	D CD-PLAYER
	23/01/93	PS	-
FILE: 752020		1-Jun-93	1,753,200.20
			SHEET 1 OF 1



① C10, C6, W5, S1, R48, R36, R37  
R38, D1, D2, Q8, Q7 fallen weg.

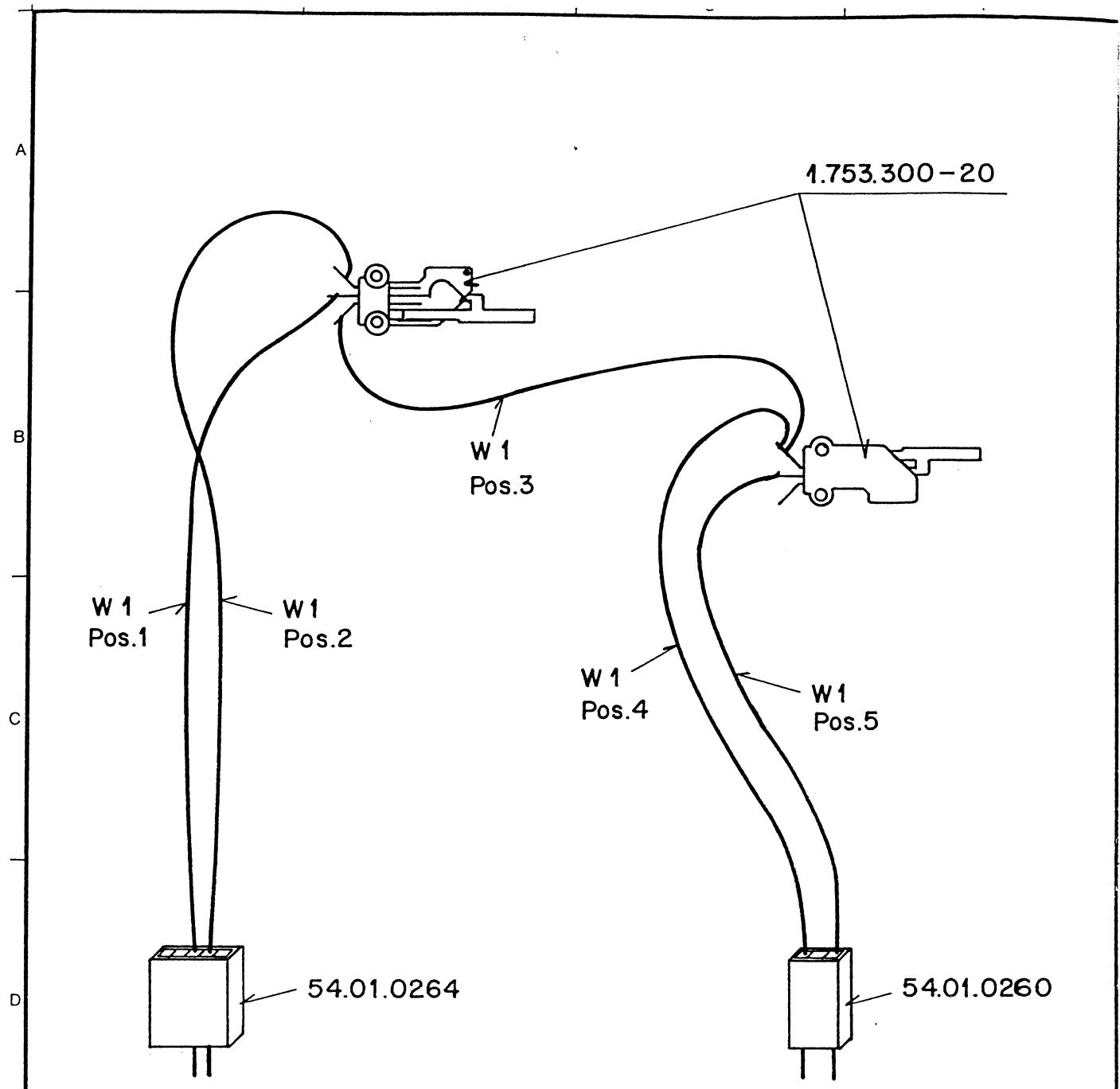
② J3, R26, R27 entfallen.

③ D3 neu dazu

Werkstoff:	Norm-Nr.:	Güte:	Abmessung:	Angaben:
	29.1.93	2		18.3.93
	27.7.92	2		29.1.93
	22.4.92	2		27.7.92
Zugehörige Unterlagen:	Freimassatoleranz:	Maßstab:	28.2.92	1
PL	1	2:1	Datum	Gez. Gepr. Ges. Index
Ersatz für:	Ersetzt durch:	Kopie für:		
STUDER REGENS DORF ZÜRICH	Bemerkung:	SUPPLY CONTROLLER ESE	Nummer:	1.753.200-20

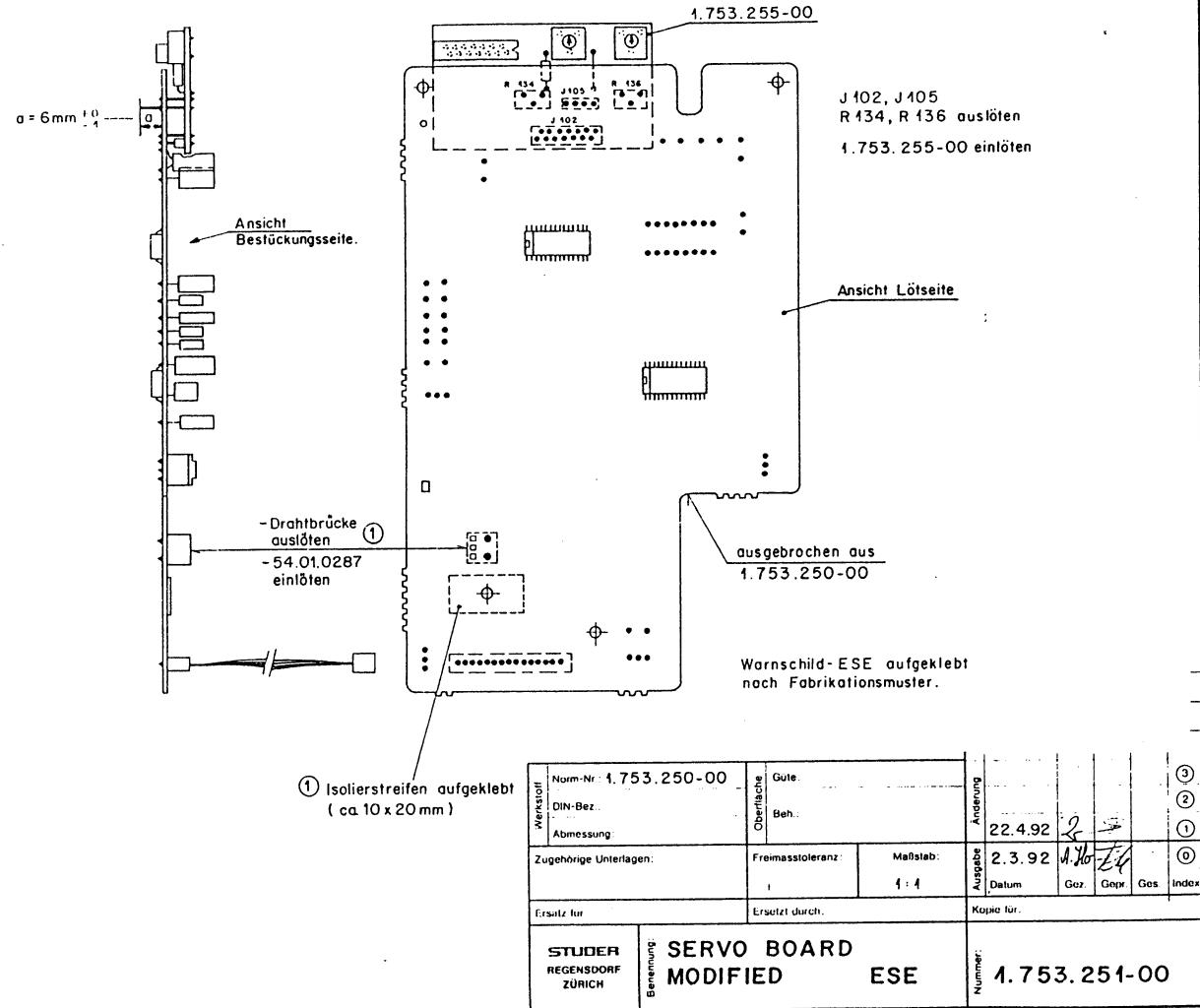
**I.753.200.20 SUPPLY-CONTROLLER "ESE"**

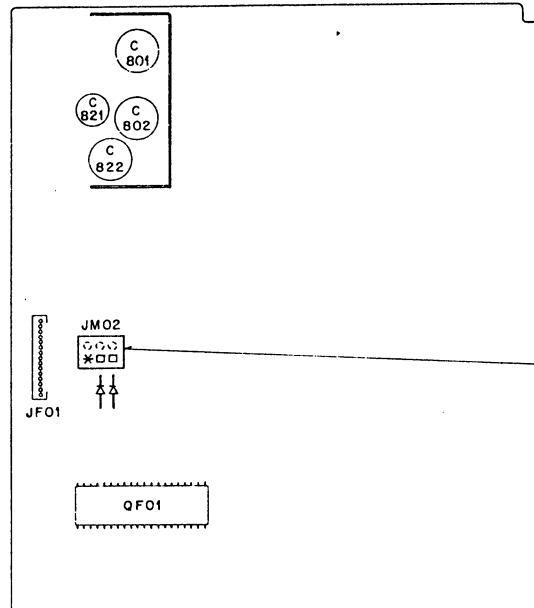
Ad ..Pos..	...Ref.No...	Description .....			R....25	57.11.3181	180	1%, .25W , MF	
					R....26	57.11.3102	1k	1%, .25W , MF	
				01	R....26	57.11.3151	150	1%, .25W , MF	
				02	R....26	. . . 0	NOT USED		
					R....27	57.11.3102	1k	1%, .25W , MF	
				01	R....27	57.11.3151	150	1%, .25W , MF	
				02	R....27	. . . 0	NOT USED		
					R....28	57.11.3181	180	1%, .25W , MF	
					R....29	57.11.3471	470	1%, .25W , MF	
					R....30	57.11.3473	47k	1%, .25W , MF	
					R....31	57.11.3472	4.7k	1%, .25W , MF	
					R....32	57.11.3472	4.7k	1%, .25W , MF	
					R....33	57.11.3471	470	1%, .25W , MF	
					R....34	57.11.3471	470	1%, .25W , MF	
					R....35	57.11.3471	470	1%, .25W , MF	
					R....36	57.11.3103	10k	1%, .25W , MF	
01	C.....6	. . . 0	NOT USED		01	R....36	. . . 0	NOT USED	
	C.....7	59.22.3101	100u	-20%, 10V , EL		R....37	57.11.3102	1k	1%, .25W , MF
	C.....8	59.22.3101	100u	-20%, 10V , EL		01	R....37	. . . 0	NOT USED
	C.....9	59.06.0104	100n	10%, 63V , PETP		R....38	57.11.3103	10k	1%, .25W , MF
	C.....10	59.25.6102	1000u	-20%, 63V , EL axial		01	R....38	. . . 0	NOT USED
01	C.....10	. . . 0	NOT USED			R....39	57.11.3103	10k	1%, .25W , MF
	C.....11	59.06.0104	100n	10%, 63V , PETP		R....40	57.11.3103	10k	1%, .25W , MF
	C.....12	59.06.0104	100n	10%, 63V , PETP		R....41	57.11.3102	1k	1%, .25W , MF
	C.....13	59.32.3103	10n	10%, 50V , CER		R....42	57.11.3102	1k	1%, .25W , MF
	C.....14	59.32.3103	10n	10%, 50V , CER		R....43	57.11.3181	180	1%, .25W , MF
	C.....15	59.32.1102	1n	10%, 400V , CER		R....44	57.11.3472	4.7k	1%, .25W , MF
	C.....16	59.34.4101	100p	10%, 63V , CER		R....45	57.11.3472	4.7k	1%, .25W , MF
	C.....17	59.34.4101	100p	10%, 63V , CER		R....46	57.11.3471	470	1%, .25W , MF
	C.....18	59.34.4101	100p	10%, 63V , CER		R....47	57.11.3102	1k	1%, .25W , MF
	C.....19	59.34.4101	100p	10%, 63V , CER		R....48	57.11.3103	10k	1%, .25W , MF
	C.....20	59.32.1102	1n	10%, 400V , CER		01	R....48	. . . 0	NOT USED
	C.....21	59.32.1102	1n	10%, 400V , CER		R....49	57.11.3101	100	1%, .25W , MF
	D.....1	50.04.0105	1N4004	400V	Mot	R....50	57.11.3101	100	1%, .25W , MF
01	D.....1	. . . 0	NOT USED			S.....1	55.15.1003		Tact Switch
	D.....2	50.04.0105	1N4004	400V	Mot	01	S.....1	. . . 0	NOT USED
01	D.....2	. . . 0	NOT USED			W.....1	1.753.190.01		SKHHHQ
03	D.....3	50.04.0105	1N4004	400V	Mot	W.....2	1.753.190.03		ALPS
	DL....1	50.04.2952	yellow	Quad LED MU02-4201	Stanley	W.....3	1.753.200.93		
	DV....1	50.04.1101	3.9V	Zener Diode, 0.5W	ITT	W.....4	1.753.200.02		
	DV....2	50.04.1101	3.9V	Zener Diode, 0.5W	ITT	W.....5	1.753.200.94		
	IC....1	50.16.0131	80C652	Micro Controller	Ph	01	W.....5	. . . 0	NOT USED
	IC....2	50.17.1573	74HC573	OCT D-TYPE LATCH	Any	XIC..1	53.03.0173	28 pin	IC-SOCKET DIL
	IC....3	1.753.200.05	27C256	EPROM 32k x 8, 250ns, CMOS (50142004)	STU	Y.....1	89.01.1004		QUARTZ, 11.059 MHZ
02	IC....3	1.753.201.20	27C256	EPROM 32k x 8, 250ns, CMOS (50142004)	STU				Ph
	J.....1	54.12.0405	5pin	Socket 2.5mm CJP3205-0101	SMR	(01) NEW LOAD SENSOR			
	J.....2	54.01.0288	5pin	C1S-SOCKET	AMP	(02) OPTION			
	J.....3	54.12.0403	3pin	Socket 2.5mm CJP3203-0101	SMK	(03) PROTECTION FOR Q5			
02	J.....3	. . . 0	NOT USED			PS92/02/2000			
	L.....1	62.02.3220	22u	HF-Choke, R<1.4 Ohm, Idc<250mA	TDK	PS92/04/2201			
	L.....2	62.01.0115	2.5wdg	Coil		PS92/07/2702			
	L.....3	62.01.0115	2.5wdg	Coil		PS93/01/2903			
	L.....4	62.01.0115	2.5wdg	Coil					
	MP....1	1.753.200.11	1 pcs	SUPPLY CONTROLLER PCB	STU	MF=Metalfilm			
	MP....2	1.753.200.01	1 pcs	Power Transformer	STU	CER=Ceramic			
	MP....4	43.01.0108	1 pcs	ESE Warning Label		PETP=Polyester			
	Q.....1	50.99.0119	2N6073B	TRIAC 400V, 4A, TO220 (MAC326)	Mot	EL=Electrolytic			
	Q.....2	50.03.0451	BD139-10	NPN, TO126	Ph				
	Q.....3	50.03.0436	BC237B	NPN, TO92					
	Q.....4	50.03.0515	BC307B	PNP, TO92					
	Q.....5	50.03.0515	BC307B	PNP, TO92					
	Q.....6	50.03.0515	BC307B	PNP, TO92					
	Q.....7	50.03.0515	BC307B	PNP, TO92					
01	Q.....7	. . . 0	NOT USED						
	Q.....8	50.03.0523	ZTX651S	NPN, TO92	Ferranti	MANUFACTURER: STU=Studer , Mot=Motorola			
01	Q.....8	. . . 0	NOT USED			Ph=Philips, ITT, TDK, SMK, ALPS			
	R.....1	57.92.7020	POLY-PTC	I-hold = 0.75A	Raychem	Raychem, Stanley			
	R.....2	57.92.7020	POLY-PTC	I-hold = 0.75A	Raychem	END			
	R.....3	57.11.3103	10k	1%, .25W , MF					
	R.....4	57.11.3471	470	1%, .25W , MF					
	R.....5	57.11.3103	10k	1%, .25W , MF					
	R.....6	57.11.3103	10k	1%, .25W , MF					
	R.....7	57.11.3471	470	1%, .25W , MF					
	R.....8	57.11.3103	10k	1%, .25W , MF					
	R.....9	57.11.3103	10k	1%, .25W , MF					
	R.....10	57.11.3103	10k	1%, .25W , MF					
	R.....11	57.11.3333	33k	1%, .25W , MF					
	R.....12	57.11.3471	470	1%, .25W , MF					
	R.....13	57.11.3471	470	1%, .25W , MF					
	R.....14	57.11.3473	47k	1%, .25W , MF					
	R.....15	57.11.3471	470	1%, .25W , MF					
	R.....16	57.11.3471	470	1%, .25W , MF					
	R.....17	57.11.3471	470	1%, .25W , MF					
	R.....18	57.11.3103	10k	1%, .25W , MF					
	R.....19	57.11.3103	10k	1%, .25W , MF					
	R.....20	57.11.3103	10k	1%, .25W , MF					
	R.....21	57.11.3103	10k	1%, .25W , MF					
	R.....22	57.11.3103	10k	1%, .25W , MF					
	R.....23	57.11.3271	270	1%, .25W , MF					
	R.....24	57.11.3471	470	1%, .25W , MF					



W1 = LL 1.753.230-93

Werksloft	Norm-Nr.:	Oberfläche	Güte:	Änderung	(3)			
	DIN-Bez.:		Beh.:		(2)			
	Abmessung:				(1)			
Zugehörige Unterlagen:	Freimasstoleranz: ±	Maßstab: —	Ausgabe 30.4.92 2 SF	(0)				
Ersatz für:	Ersetzt durch:	Kopie für:	Datum	Gez.	Gepr.	Ges.	Index	
STUDER REGENSDORF ZÜRICH	Benennung: <b>COVER SENSOR UNIT</b>			Nummer: <b>1.753.230-00</b>				





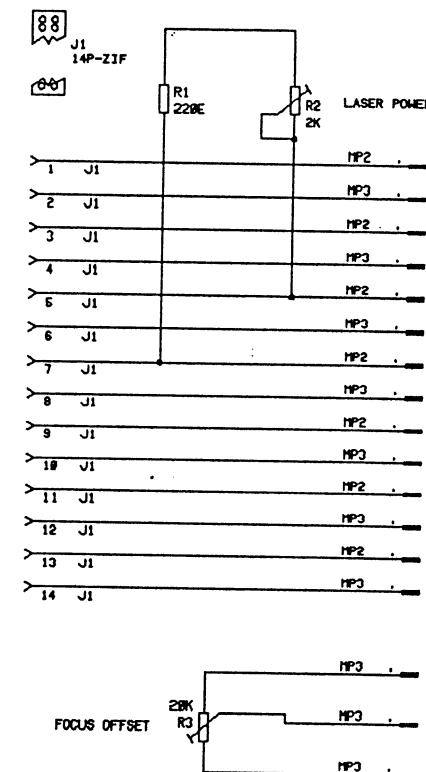
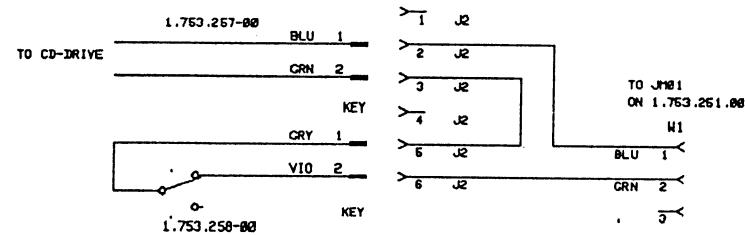
54.01.0287

Print ausgebrochen von 1.753.250-00

ESE - Warnschild 43.01.0108  
Nr.-Etikette 43.02.0211  
nach Muster aufgeklebt.

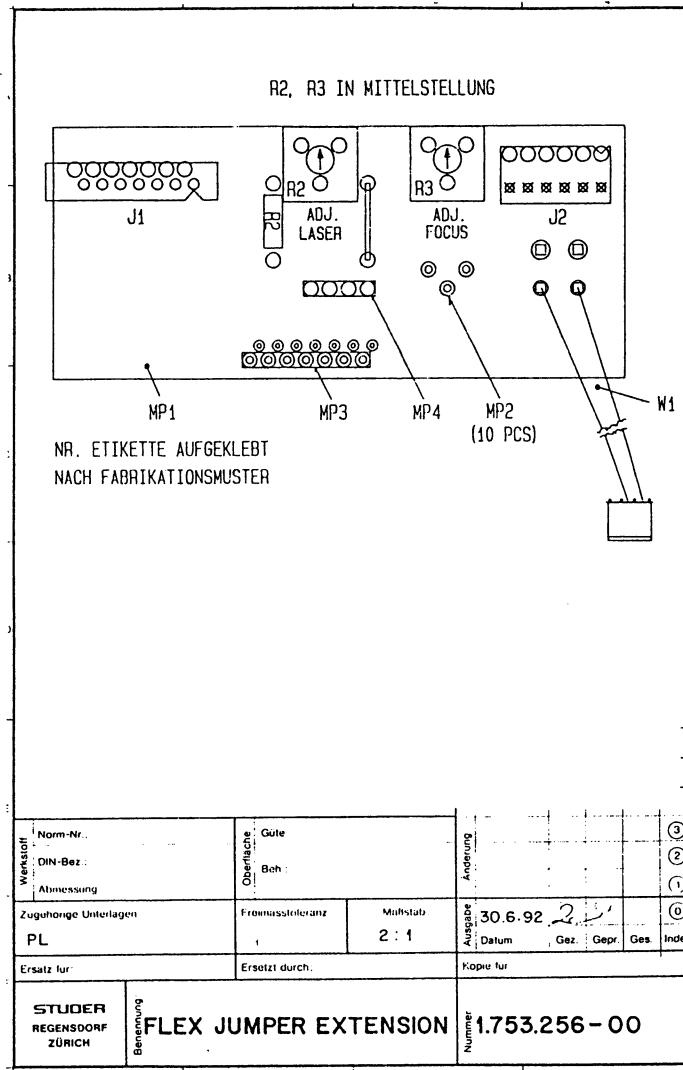
\* Codierung : Schaltdraht 64.01.0104 ø 8x8

Werkstoff	Norm-Nr. DIN-Bez Abmessung	Gute: Orientier. Beh	Auftrag	(3)	(2)	(1)		
Zugehörige Unterlagen	Freimesstoleranz	Maßstab:	Ausgabe	11.5.92	21	✓ Paus.		
Ersatz für	Ersetzt durch:		Kopie für:	Datum	Gaz	Gupr.	Ges	Index
STUDER REGENSDORF ZÜRICH	Bemerkung CONVERTER BOARD MOD.			Nummer:	1.753.252-00			



A

STUDER		REVOX AUDIO SYSTEMS DEPARTMENT	
DATE	21/07/92	PS	
CHK.	/ /	-	
REV.	○ / /	-	
	○ / /	-	FLEX JUMPER EXTENSION
	○ / /	-	CD-PLAYER
FILE: 753256		21-JUL-92	1.753.256.00
SHEET 1 OF 1			1



**1.753.256.00 FLEX JUMPER EXTENSION**

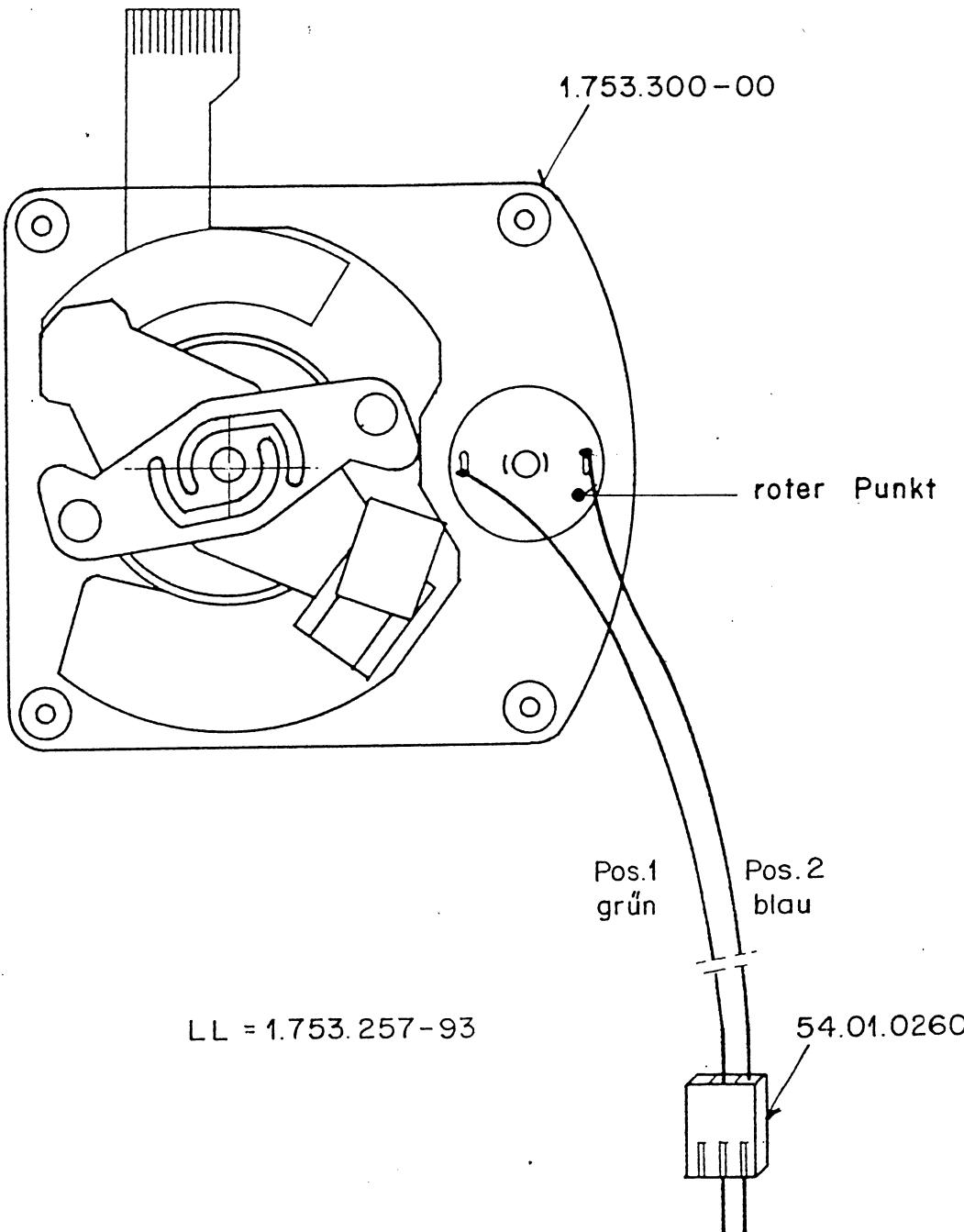
Ad ..Pos.. ...Ref.No... Description .....

J.....1	54.99.0217	14 pole	Jumper Socket MOLEX ZIF
J.....2	54.01.0238	6 pole	CIS Socket
MP....1	1.753.255.12	1 pcs	FLEX JUMPER EXTENSION PCB
01 MP....1	1.753.255.13	1 pcs	FLEX JUMPER EXTENSION PCB
MP....2	1.010.020.54	10 pcs	Print Contact Single
MP....3	53.03.0251	7 pcs	Print Contact Inline
MP....4	54.11.0129	4 pcs	Print Contact l=12.7mm
R.....1	57.11.3221	220 Ohm	2%, 0.25W, MF
R.....2	58.01.8202	2 KOhm	10%, 0.5 W, lin trim Pot
R.....3	58.01.8203	20 KOhm	10%, 0.5 W, lin trim Pot
W....1	1.753.190.04		Cable for CD drive

PS92/06/1700

PS92/09/2401

END



Werkstoff	Norm-Nr.:	Oberfläche	Güte:	Aenderung	(3)
	DIN-Bez.:		Beh.:		(2)
Abmessung:					(1)
Zugehörige Unterlagen:		Freimasstoleranz:	Maßstab:	Ausgabe	6.7.92 28 Rom. (C)
		±:	—	Datum	Gez. Geor. Ges. Inde.
Ersatz für		Ersetzt durch:		Kopie für:	
<b>STUDER</b> REGENSDORF ZÜRICH	Benennung: <b>Verdrahtung CD - Antrieb</b>			Nummer:	<b>1.753.257-00</b>

1 1 2 3 4

A

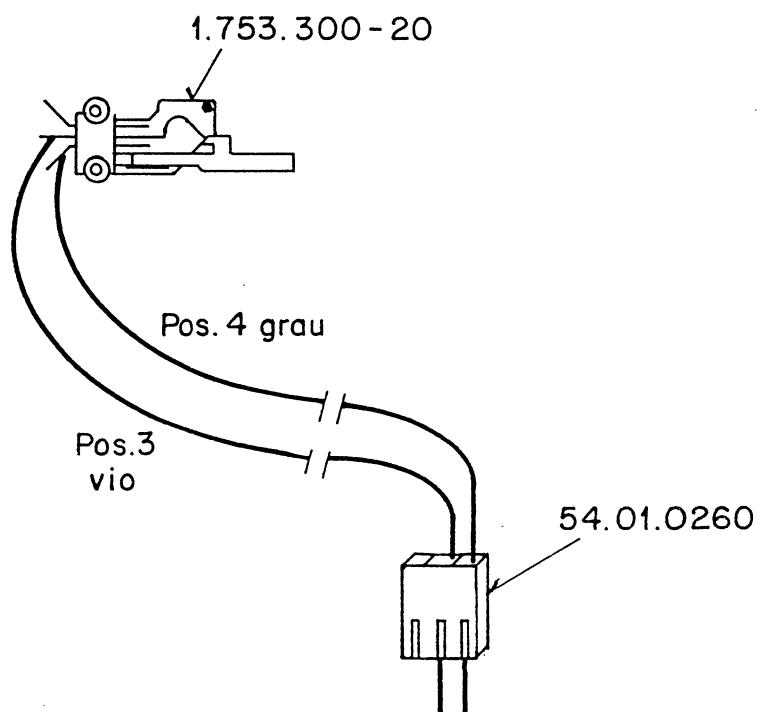
B

C

D

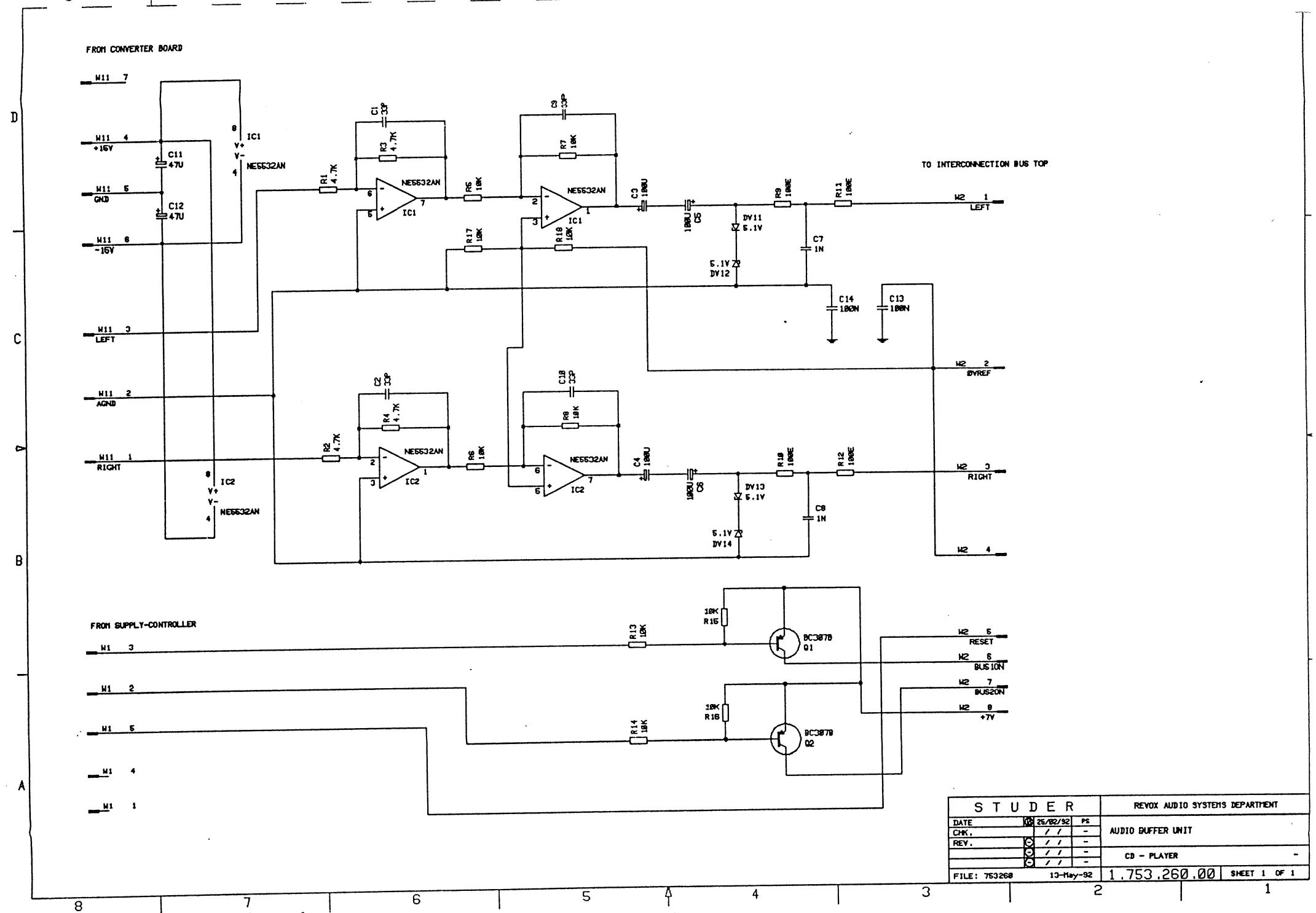
E

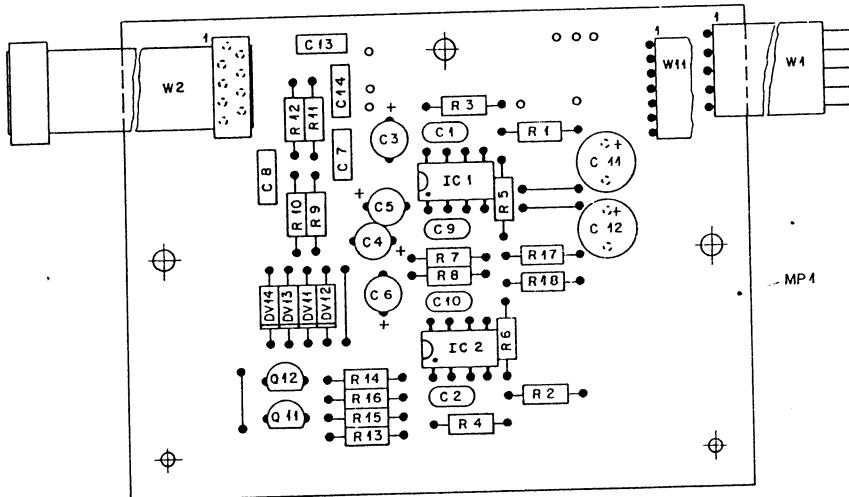
F



LL = 1.753.257-93

Werkstoff	Norm-Nr.:	Oberfläche	Güte:	Änderung	(3)
	DIN-Bez.:		Beh.:		(2)
	Abmessung:				(1)
Zugehörige Unterlagen:		Freimasstoleranz:	Maßstab:	Ausgabe	(0)
		±	—	Datum	Gez. Gepr. Ges. Inde
Ersatz für:	Ersetzt durch:		Kopie für:		
STUDER REGENSDORF ZÜRICH	Benennung:	UNTERBRECHER KPL.	Jahre:	1.753.258-00	





Schilder, MP 2 aufgeklebt  
nach Fabrikationsmuster.

Vereinfach.	Norm-Nr. DIN-Ber. Abmessung	Güte: Gefüge Boh.	Änderung	(3)
Zugphorze Zeiträgen		Freimassstoleranz:	Maßstab:	(2)
PL		+	2:1	(1)
Ersatz für:	Ersetzt durch:			Kopie für:
STUDER REGENSDORF ZÜRICH	AUDIO BUFFER UNIT			Nummer: 1.753.260-00
Bemerkung	ESE			

## 1.753.260.00 AUDIO BUFFER UNIT ESE

Ad ..Pos.. ...Ref.No... Description .....

C.....1	59.34.2330	33 pF	5\$, 63V , CER	
C.....2	59.34.2330	33 pF	5\$, 63V , CER	
C.....3	59.22.3101	100 uF	-20\$, 10V , EL	
C.....4	59.22.3101	100 uF	-20\$, 10V , EL	
C.....5	59.22.3101	100 uF	-20\$, 10V , EL	
C.....6	59.22.3101	100 uF	-20\$, 10V , EL	
C.....7	59.06.0102	1 nF	10\$, 63V , PETP	
C.....8	59.06.0102	1 nF	10\$, 63V , PETP	
C.....9	59.34.2330	33 pF	5\$, 63V , CER	
C....10	59.34.2330	33 pF	5\$, 63V , CER	
C....11	59.22.5470	47 uF	-20\$, 25V , EL	
C....12	59.22.5470	47 uF	-20\$, 25V , EL	
C....13	59.06.0104	100 nF	10\$, 63V , PETP	
C....14	59.06.0104	100 nF	10\$, 63V , PETP	
DV...11	50.04.1112	5.1 V	Z, 400 mW	ITT
DV...12	50.04.1112	5.1 V	Z, 400 mW	ITT
DV...13	50.04.1112	5.1 V	Z, 400 mW	ITT
DV...14	50.04.1112	5.1 V	Z, 400 mW	ITT
IC....1	50.09.0106	NE5532AN	Dual Low noise OP-AMP	Sig
IC....2	50.09.0106	NE5532AN	Dual Low noise OP-AMP	Sig
MP....1	1.753.260.11	1 pcs	AUDIO BUFFER PCB	STU
MP....2	43.01.0108	1 pcs	ESE Warning Label	
Q....1	50.03.0515	BC 307B	PNP , TO92	ITT, TI
Q....2	50.03.0515	BC 307B	PNP , TO92	ITT, TI
R.....1	57.11.3472	4.7 kOhm	2\$, 0.25W , MF	
R.....2	57.11.3472	4.7 kOhm	2\$, 0.25W , MF	
R.....3	57.11.3472	4.7 kOhm	2\$, 0.25W , MF	
R.....4	57.11.3472	4.7 kOhm	2\$, 0.25W , MF	
R.....5	57.11.3103	10 kOhm	2\$, 0.25W , MF	
R.....6	57.11.3103	10 kOhm	2\$, 0.25W , MF	
R.....7	57.11.3103	10 kOhm	2\$, 0.25W , MF	
R.....8	57.11.3103	10 kOhm	2\$, 0.25W , MF	
R....9	57.11.3101	100 Ohm	2\$, 0.25W , MF	
R....10	57.11.3101	100 Ohm	2\$, 0.25W , MF	
R....11	57.11.3101	100 Ohm	2\$, 0.25W , MF	
R....12	57.11.3101	100 Ohm	2\$, 0.25W , MF	
R....13	57.11.3103	10 kOhm	2\$, 0.25W , MF	
R....14	57.11.3103	10 kOhm	2\$, 0.25W , MF	
R....15	57.11.3103	10 kOhm	2\$, 0.25W , MF	
R....16	57.11.3103	10 kOhm	2\$, 0.25W , MF	
R....17	57.11.3103	10 kOhm	2\$, 0.25W , MF	
R....18	57.11.3103	10 kOhm	2\$, 0.25W , MF	
W....1	1.753.260.94		Jumper Lead 5-Pol (2.5mm) l=180mm	STU
W....2	1.753.260.01		Flat Cable 8-Pol (1.27mm) l=210mm	STU
W....11	1.753.190.02		Jumper Lead 7-Pol (2.0mm) l=180mm	STU

PS92/02/2100

EL=Electrolytic, CER=Ceramic, PFTP=Polyester, SI=Silicon, MF=Metalfilm  
 PP=Polypropilen

Manufacturer: TI=Texas Instruments, ITT  
 Mot=Motorola, Ph=Philips, Stu=Studer  
 Sig=Signetics

END

**I.753.270.00 BUS CONNECTOR TOP**

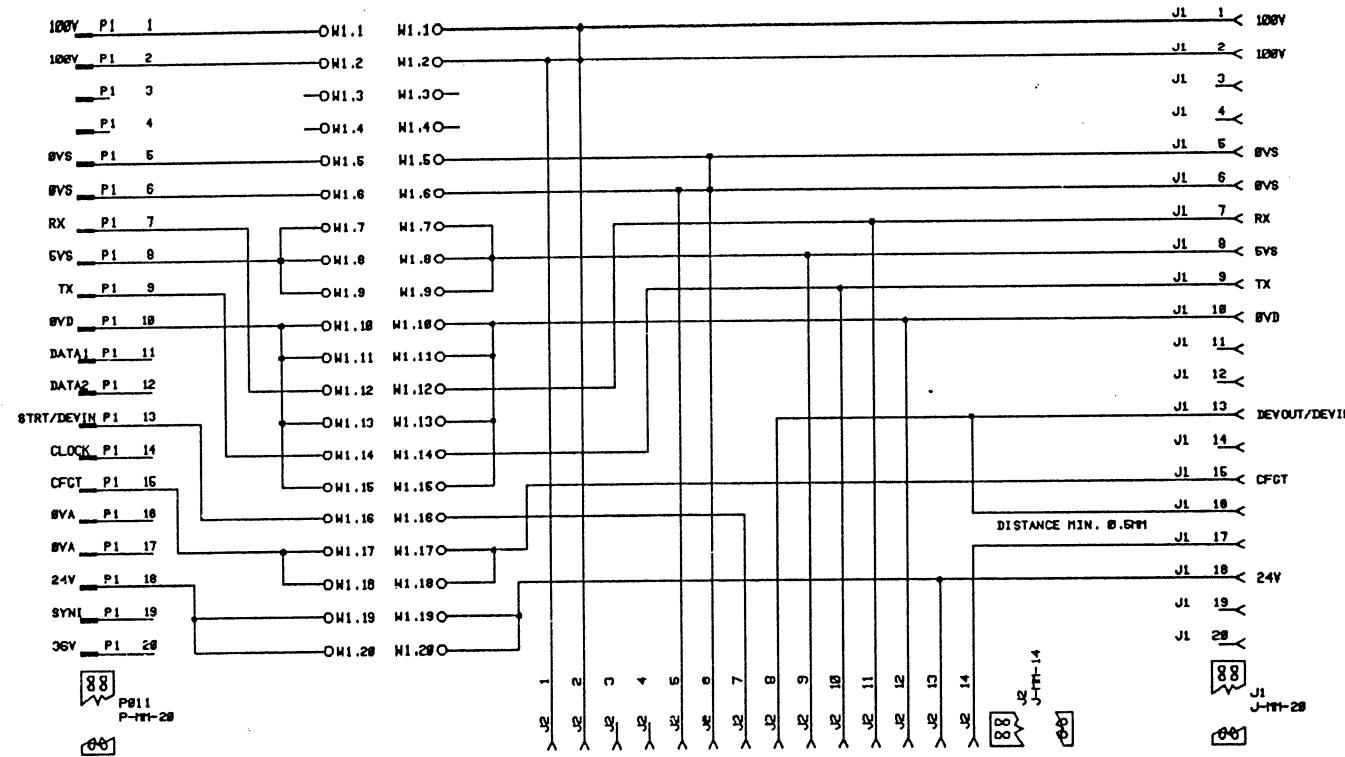
Ad ...Pos... ...Ref.No... Description .....

IC....1	50.62.9066	HEP 4066B T	PH
J.....1	54.14.5540	20-pole Connector Micro Match	AMP
J.....2	54.14.5508	8-pole Connector Micro Match	AMP
MP....1	1.753.270.11	BUS CONNECTOR TOP PCB	ST
P....1	54.14.5590	20-pole Plug Micro Match	AMP
R....1	57.11.3104	100 k 1%, 0.25W, MF	
R....2	57.11.3104	100 k 1%, 0.25W, MF	
W....1	1.752.230.94	Cable List INTERCONNECTION	

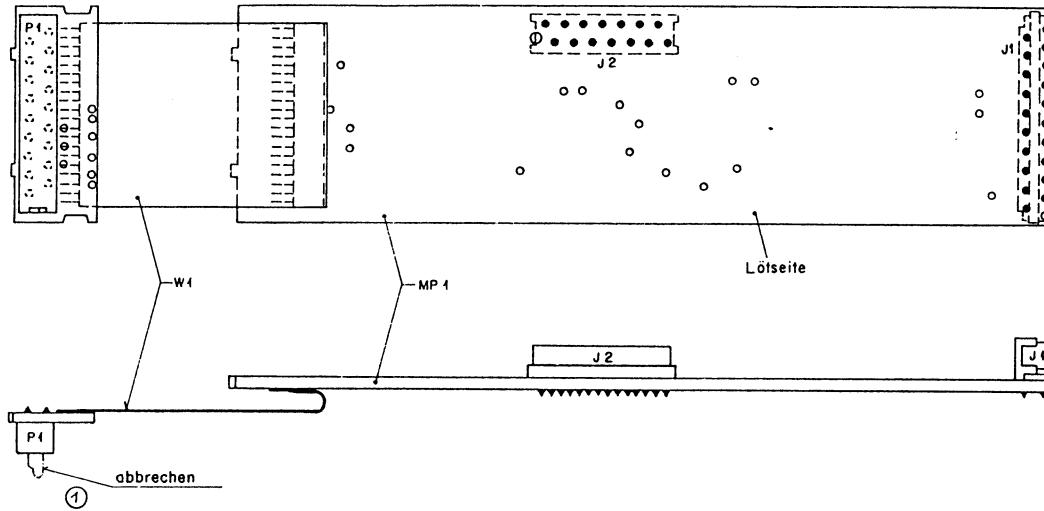
PS92/02/1300

Manufacturer: Ph=Philips  
St=Studer

END

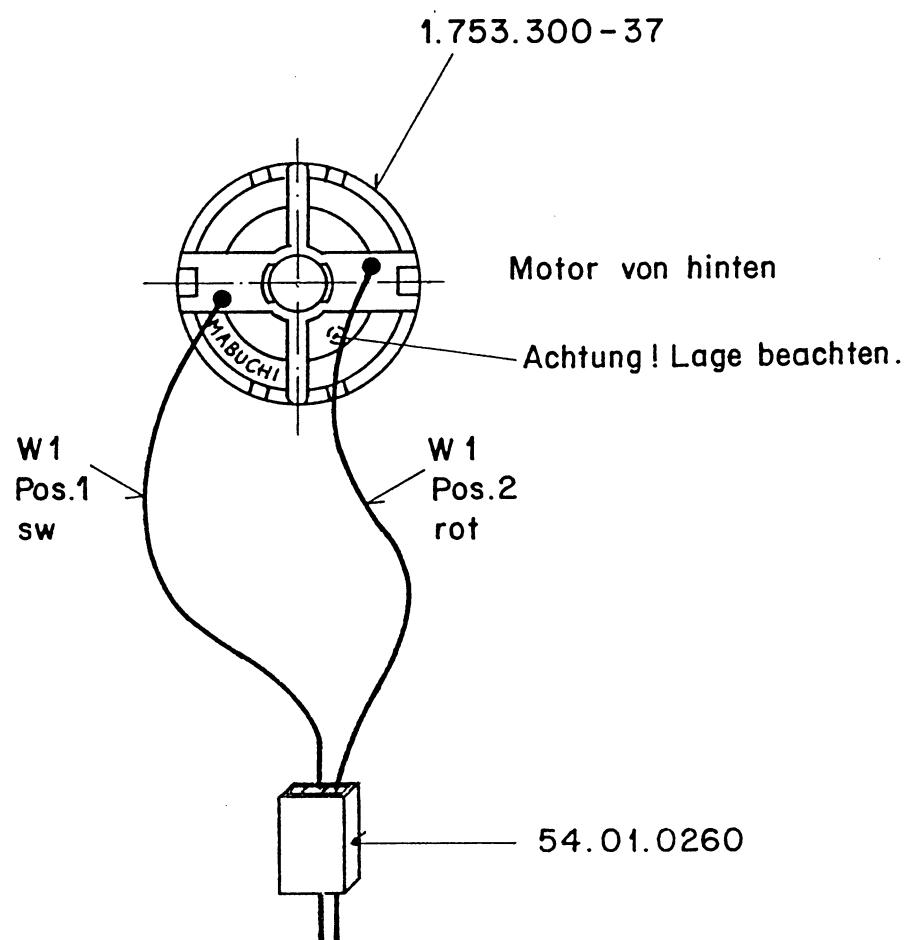


STUDER		REVOX AUDIO SYSTEMS DEPARTMENT	
DATE	26/02/92	PB	
CHK.	/ /	-	
REV.	22/04/92	PB	
	/ /	-	
	/ /	-	
FILE: 763268	27-Apr-92	1.753.280.00	SHEET 1 OF 1



Nr. Etikette  
nach Fabrikationsmuster aufgeklebt.

Wesentlich	Norm-Nr.: DIN-Bez.: Abmessung:	Güte: Oberfläche: Beh.:	Änderung:	(3)
Zugehörige Unterlagen:	Freimassstoleranz:	Maßstab:	27.7.92	⑨
PL	+	2:4	28.2.92	⑩
Ersatz für:	Ersetzt durch:			Ausgabe
STUDER REGENSDORF ZÜRICH	BENENNUNG: BUS CONNECTOR BOTTOM			Datum Gez. Gepr. Ges. Index
				Nummer: 1.753.280-00



W1 = LL 1.753.352-93

Werkstoff	Norm-Nr.:	Güte:		Änderung	(3)		
	DIN-Bez.:				(2)		
	Abmessung:	Beh.:			(1)		
Zugehörige Unterlagen:		Freimasstoleranz: ±	Maßstab: 1 : 1	Ausgabe 8.5.92 Datum	<i>L</i>	<i>Pom.</i>	(0)
Ersatz für:		Ersetzt durch:		Kopie für:			
STUDER REGENSDORF ZÜRICH		Benennung: <b>Motor kpl.</b>		Nummer: <b>1.753.352-00</b>			

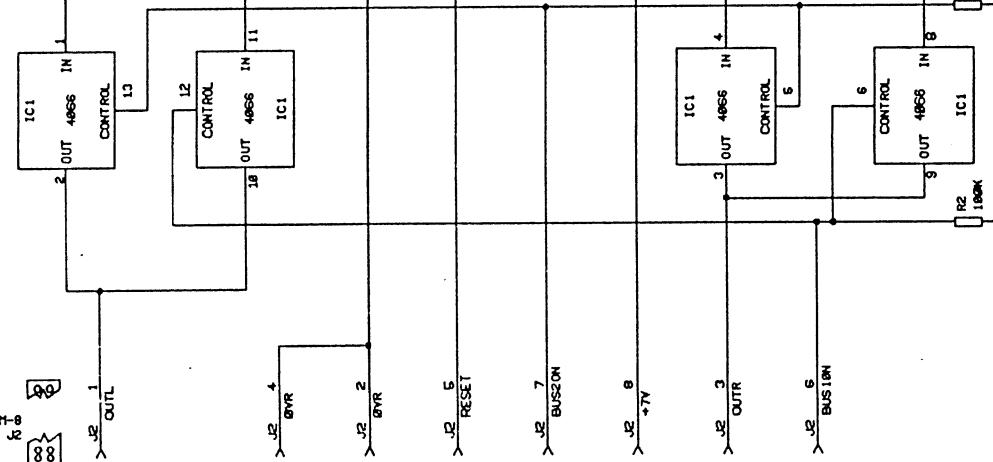
D

P1.28 — H1.28  
 RESET — P1.19 — O H1.19  
 +7V I — P1.18 — O H1.18  
 BY I — P1.17 — O H1.17  
 -7V I — P1.16 — O H1.16  
 PON I — P1.15 — O H1.15  
 P1.14 — O H1.14  
 P1.13 — O H1.13  
 BUS 2 R I — P1.12 — O H1.12  
 P1.11 — O H1.11  
 P1.10 — O H1.10  
 BUS 2 L I — P1.9 — O H1.9  
 P1.8 — O H1.8  
 BYREF — P1.7 — O H1.7  
 P1.6 — O H1.6  
 BUS 1 R I — P1.5 — O H1.5  
 P1.4 — O H1.4  
 P1.3 — O H1.3  
 BUS 1 L I — P1.2 — O H1.2  
 P1.1 — O H1.1

J1-11  
J1-12  
J1-13  
J1-14  
J1-15  
J1-16  
J1-17  
J1-18  
J1-19  
J1-20

H1.28 — J1.28  
 H1.19 — RESET J1.19  
 H1.18 — +7V J1.18  
 H1.17 — BY J1.17  
 H1.16 — -7V J1.16  
 H1.15 — PON J1.15  
 H1.14 —  
 H1.13 —  
 H1.12 — BUS 2 R J1.12  
 H1.11 —  
 H1.10 —  
 H1.9 — BUS 2 L J1.9  
 H1.8 —  
 H1.7 — BYREF J1.7  
 H1.6 —  
 H1.5 — BUS 1 R J1.5  
 H1.4 —  
 H1.3 —  
 H1.2 — BUS 1 L J1.2  
 H1.1 —

J1-11  
J1-12  
J1-13  
J1-14  
J1-15  
J1-16  
J1-17  
J1-18  
J1-19  
J1-20

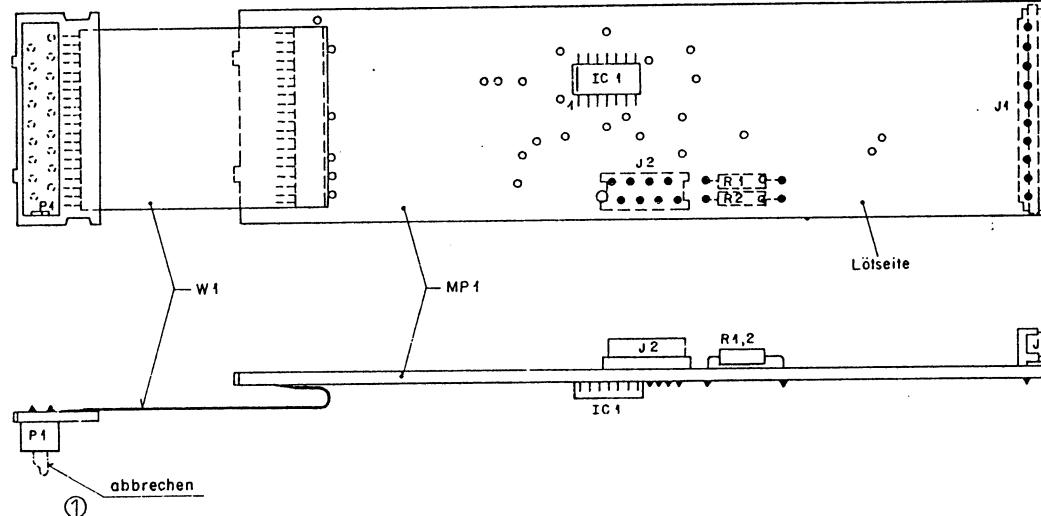


A

S T U D E R		REVOX AUDIO SYSTEMS DEPARTMENT
DATE	24/02/92	PE
CHK.	/ /	-
REV.	/ /	-
	/ /	-
	/ /	-
	/ /	-
FILE: 753278	24-Feb-92	1,753,270.00
		SHEET 1 OF 1

INTERCONNECTION UNIT TOP

CD - PLAYER



Nr. Etikette / ESE - Warnschild  
nach Fabrikationsmuster aufgeklebt.

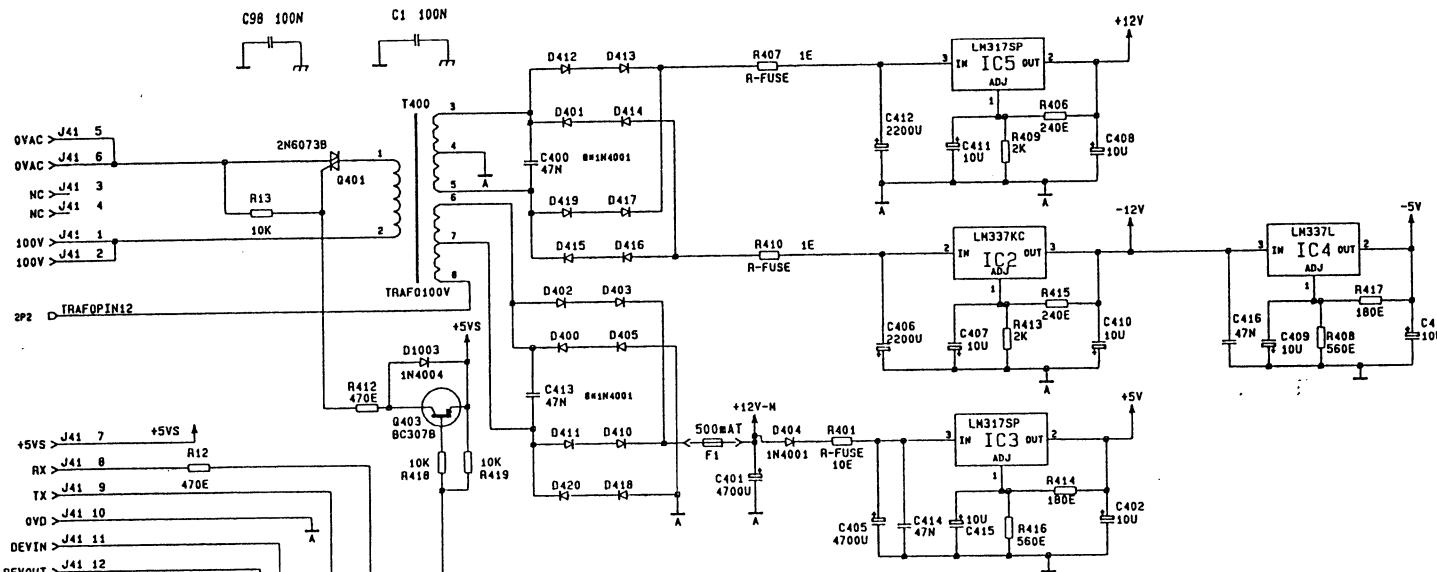
Werkstatt	Norm-Nr.:	Güte:	Anordnung	③
DIN-Bez.:				②
Abmessung:		Beh.:		①
Zugehörige Unterlagen:	Freimassstoleranz:	Maßstab:	29.2.92	④
PL	±	2:1	Ausgabe	⑤
Ersatz für:	Ersetzt durch:	Kopie für:	Datum	Gez. Gepr. Ges. Index
STUDER REGENSDORF ZÜRICH	Bemerkung: <b>BUS CONNECTOR TOP</b>	Nummer:	1.753.270-00	

FROM LOWER PRISM

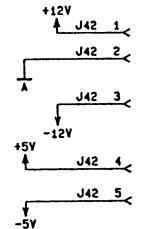
J41

88

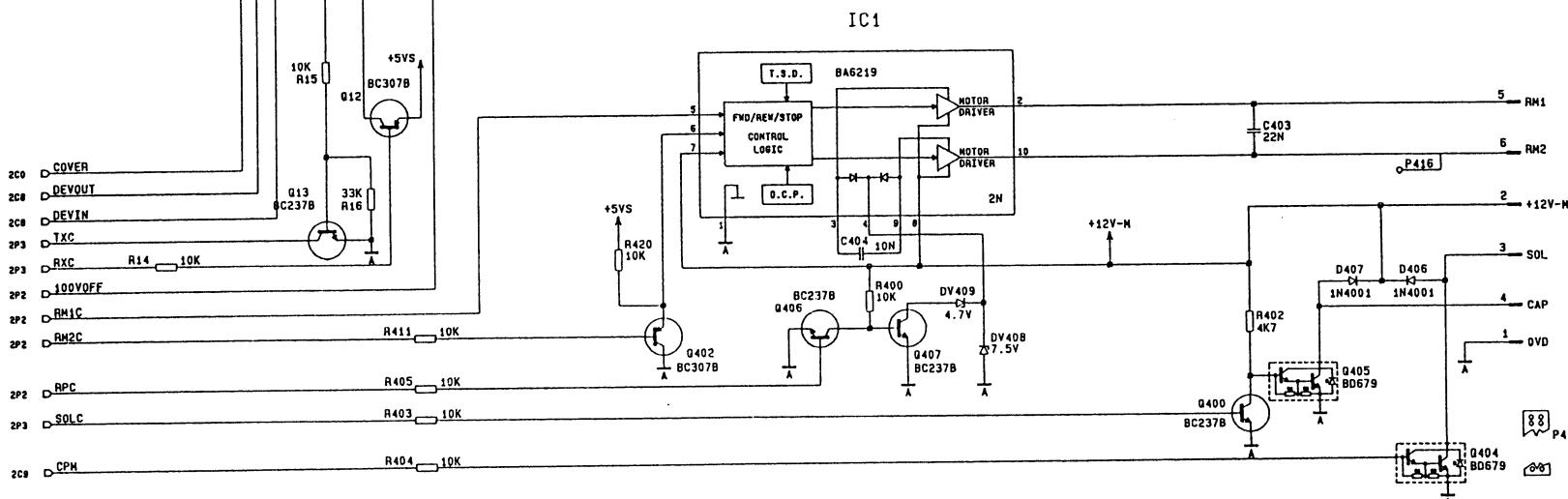
001



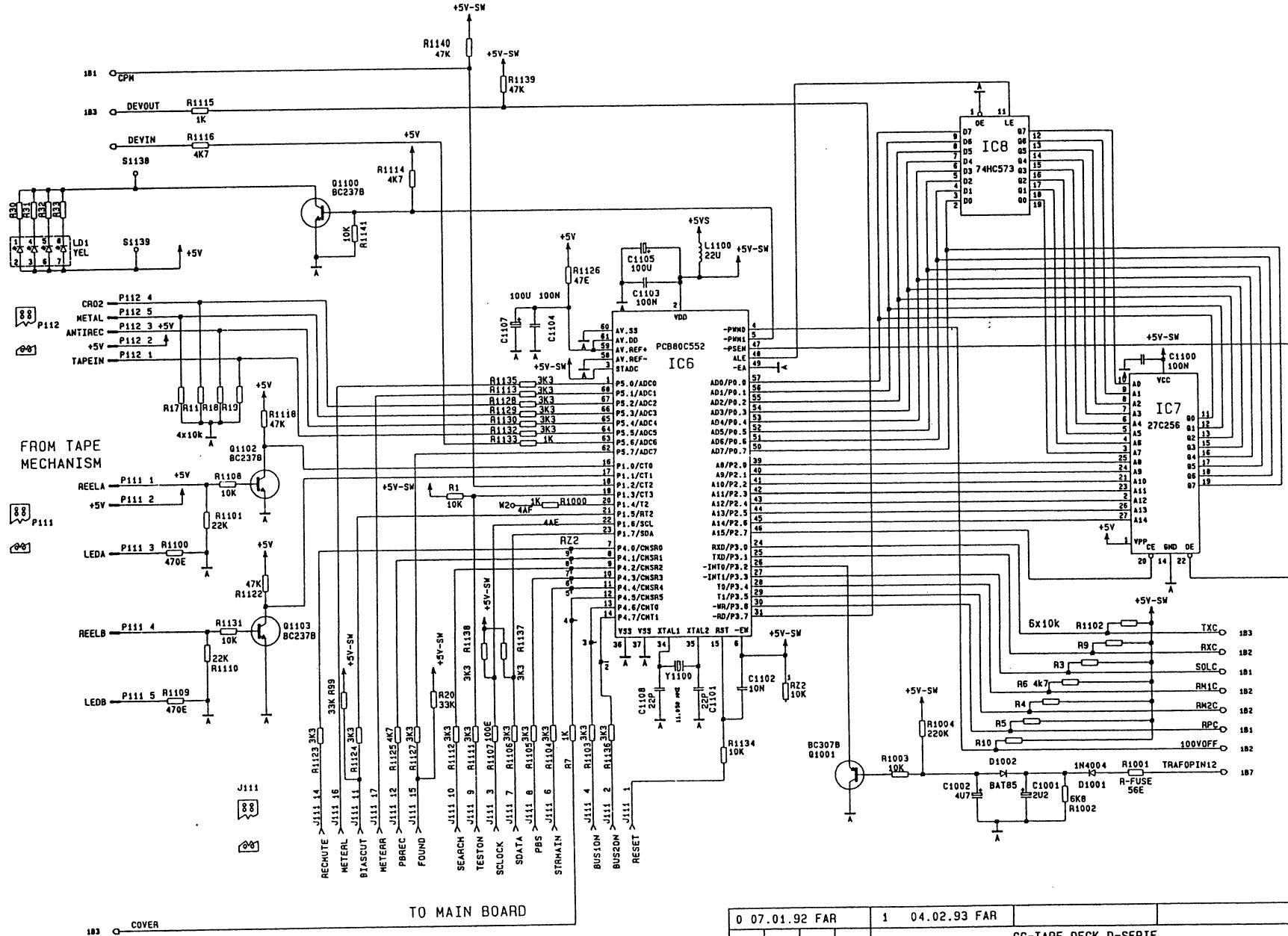
TO MAIN BOARD

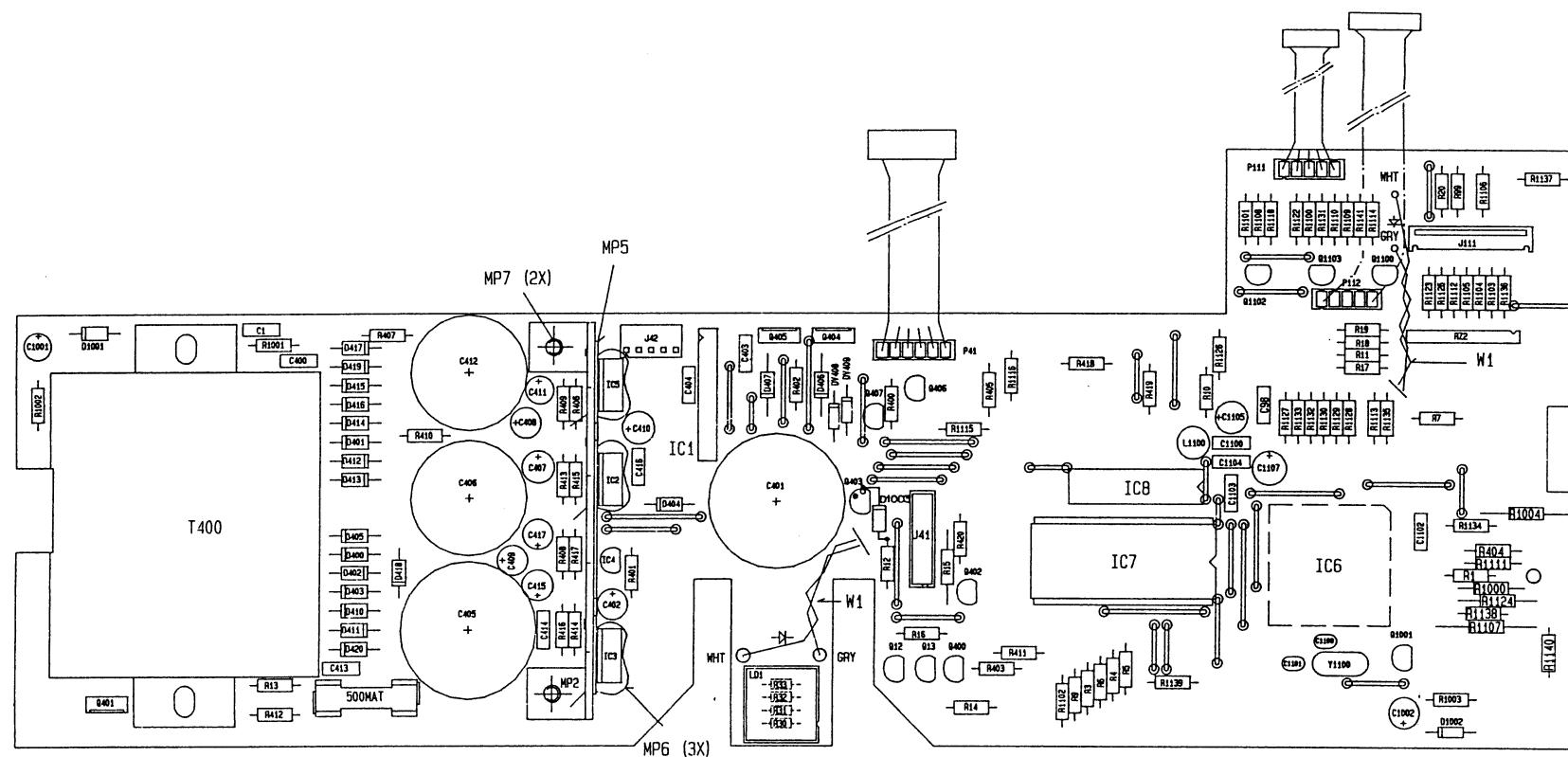


TO TAPE MECHANISM



0 07.01.92 FAR	1 04.02.93 FAR	CC-TAPE DECK D-SERIE	PAGE 1 OF 2
REVOX	POWER SUPPLY BOARD		1.755.200-21





SCHILDER MP3, 4 AUFGEKLEBT  
NACH FABRIKATIONSMUSTER.

① D 1003 neu dazu

Name-Nr.:		Gute	<input type="checkbox"/>
Werkst.:		Kategorie	<input type="checkbox"/>
DIN-Besch.:		Befh.:	<input type="checkbox"/>
Ablmessung:			<input type="checkbox"/>
Zugehörige Unterlagen:			<input type="checkbox"/>
PL., LL	Präzisionstoleranz	Maßstab:	<input type="checkbox"/>
	z	2 : 1	<input type="checkbox"/>
Ersatz Nr.:	Ersatz durch:	Kopie Nr.:	
STUDIER RECHENSCHEID ZÜRICH		POWER SUPPLY BOARD D-MC ESE	
Bestellung		Preis	
		4.755.200-21	
		4.2.93	

## 1.755.200.21 POWER SUPPLY BOARD 1/2

Ad ...Pos... ...Ref.No... Description .....

C.....1	59.06.0104	100n	, 10%, 63V,	59.06-1
C....98	59.06.0104	100n	, 10%, 63V,	59.06-1
C...400	59.06.0473	47n	, 10%, 63V,	59.06-1
C...401	59.22.5472	4700u	, -20/+50%, 25V,	59.22-P
C...402	59.22.6100	10u	, -20/+50%, 35V,	59.22-Q
C...403	59.06.0223	22n	, 10%, 63V,	59.06-1
C...404	59.06.0103	10n	, 10%, 63V,	59.06-1
C...405	59.22.5472	4700u	, -20/+50%, 25V,	59.22-P
C...406	59.22.6222	2200u	, 20%, 40V,	59.22-N
C...407	59.22.6100	10u	, -20/+50%, 35V,	59.22-Q
C...408	59.22.6100	10u	, -20/+50%, 35V,	59.22-Q
C...409	59.22.6100	10u	, -20/+50%, 35V,	59.22-Q
C...410	59.22.6100	10u	, -20/+50%, 35V,	59.22-Q
C...411	59.22.6100	10u	, -20/+50%, 35V,	59.22-Q
C...412	59.22.6222	2200u	, 20%, 40V,	59.22-N
C...413	59.06.0473	47n	, 10%, 63V,	59.06-1
C...414	59.06.0473	47n	, 10%, 63V,	59.06-1
C...415	59.22.6100	10u	, -20/+50%, 35V,	59.22-Q
C...416	59.06.0473	47n	, 10%, 63V,	59.06-1
C...417	59.22.6100	10u	, -20/+50%, 35V,	59.22-Q
C...1001	59.22.8229	2u2	, -20/+50%, 50V,	59.22-Q
C..1002	59.22.8479	4u7	, -20/+50%, 50V,	59.22-Q
C...1100	59.06.0104	100n	, 10%, 63V,	59.06-1
C...1101	59.34.2220	22p	, 5%, 63V,	59.34-1, N150
C...1102	59.06.0103	10n	, 10%, 63V,	59.06-1
C...1103	59.06.0104	100n	, 10%, 63V,	59.06-1
C..1104	59.06.0104	100n	, 10%, 63V,	59.06-1
C...1105	59.22.3101	100u	, -20/+50%, 10V,	59.22-R
C...1107	59.22.3101	100u	, -20/+50%, 10V,	59.22-R
C...1108	59.34.2220	22p	, 5%, 63V,	59.34-1, N150
D...400	50.04.0122	1N4001	, D041,RECTIFIER	
D...401	50.04.0122	1N4001	, D041,RECTIFIER	
D...402	50.04.0122	1N4001	, D041,RECTIFIER	
D...403	50.04.0122	1N4001	, D041,RECTIFIER	
D...404	50.04.0122	1N4001	, D041,RECTIFIER	
D...405	50.04.0122	1N4001	, D041,RECTIFIER	
D...406	50.04.0122	1N4001	, D041,RECTIFIER	
D...407	50.04.0122	1N4C01	, D041,RECTIFIER	
D...410	50.04.0122	1N4001	, D041,RECTIFIER	
D...411	50.04.0122	1N4001	, D041,RECTIFIER	
D...412	50.04.0122	1N4001	, D041,RECTIFIER	
D...413	50.04.0122	1N4001	, D041,RECTIFIER	
D...414	50.04.0122	1N4001	, D041,RECTIFIER	
D...415	50.04.0122	1N4001	, D041,RECTIFIER	
D...416	50.04.0122	1N4001	, D041,RECTIFIER	
D...417	50.04.0122	1N4001	, D041,RECTIFIER	
D...418	50.04.0122	1N4001	, D041,RECTIFIER	
D...419	50.04.0122	1N4001	, D041,RECTIFIER	
D...420	50.04.0122	1N4001	, D041,RECTIFIER	
D..1001	50.04.0122	1N4001	, D041,RECTIFIER	
D..1002	50.04.0127	BAT85	, D035, SCHOTTKY	
01 D..1003	50.04.0105	1N4004	, D041,RECTIFIER	
DLZ...1	50.04.2852	YEL	, QUAD-LED ARRAY	
DV..408	50.04.1103	7.5V	, 5%, 0.5W, D035, ZENER	
DV..409	50.04.1123	4.7V	, 5%, 0.5W, D035, ZENER	
F....1	51.01.0114	500mAT	, FUSE SLOW BLOW 5*20	
IC....1	1.721.490.18	BA6219	, SIP10,MOTOR DRIVER	
IC....2	50.10.0105	LM337RC	, TO220-9,SER. REG. -1	
IC....3	50.10.0104	LM317SP	, TO220,VOLTAGE REG. +1	
IC....4	50.10.0109	LM337L	, T092,3-TERMINAL ADJ. REGULATOR	
IC....5	50.10.0104	LM317SP	, TO220,VOLTAGE REG. +1	
IC....6	50.63.0005	PCB80C552	, PLCC68,8-BIT MICROCONTR	
IC....7	1.755.202.20	27C256	, 32K * 8 CMOS EPROM D-MC 50.14.2004	
IC....8	50.17.1573	74HC573	, DIP20, OCTAL D-TYP LATCH	
J....41	54.14.5584	14-P	, VERT, MALE , 54145584,J-MICRO-M	
J....42	54.12.0405	5-P	, RM2.50, FEM., J-WX,TOP-CONNE	
J...111	1.721.490.09	17-P	, FCC/FCC CONNECTOR MOLEX	
L...1100	62.02.3100	10u	, 10%,0E8 (OHM), 62023-1, HF-CHOKE	
MP....1	1.755.200.14	1PCS	, POWER SUPPLY PCB	
MP....2	1.724.240.01	1PCS	, P65014, HEATSINK	
MP....3	43.01.0108	1PCS	, ESE WARNING LABEL	
MP....4	1.755.200.01	1PCS	, NUMBER LABEL	
MP....5	1.724.240.02	1PCS	, THERMOPLASTIC FOIL	
MP....6	50.20.2004	3PCS	, MOUNTING CLIPS	
MP....7	21.30.0354	2PCS	, SCREW M3*6	
P....41	1.755.300.11	6P	, CABLE PLUG	
P....111	1.755.300.13	5P	, CABLE PLUG	
P....112	1.755.300.12	5P	, CABLE PLUG	
Q....12	50.03.0515	BC307B	, PNP, T092-1	
Q....13	50.03.0436	BC237B	, NPN, T092-1	

Q...400	50.03.0436	BC237B	, NPN, T092-1	
Q...401	50.99.0119	2N6073B	, 4.0A, 400V, T0126, TRIAC	
Q...402	50.03.0515	BC307B	, PNP, T092-1	
Q...403	50.03.0515	BC307B	, PNP, T092-1	
Q...404	50.03.0504	BD679	, NPN, T0126-1,DARLINGTON	
Q...405	50.03.0504	BD679	, NPN, T0126-1,DARLINGTON	
Q...406	50.03.0436	BC237B	, NPN, T092-1	
Q...407	50.03.0436	BC237B	, NPN, T092-1	
Q..1001	50.03.0515	BC307B	, PNP, T092-1	
Q..1100	50.03.0436	BC237B	, NPN, T092-1	
Q..1102	50.03.0436	BC237B	, NPN, T092-1	
Q..1103	50.03.0436	BC237B	, NPN, T092-1	
R....1	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R....3	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R....4	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R....5	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R....6	57.11.3472	4k7	, 1%, 0.6W, 0207, MF	
R....7	57.11.3102	1k	, 1%, 0.6W, 0207, MF	
R....9	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...10	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...11	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...12	57.11.3471	470E	, 1%, 0.6W, 0207, MF	
R...13	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...14	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...15	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...16	57.11.3333	33k	, 1%, 0.6W, 0207, MF	
R...17	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...18	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...19	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...20	57.11.3333	33k	, 1%, 0.6W, 0207, MF	
R...21	57.11.3181	180E	, 1%, 0.6W, 0207, MF	
R...22	57.11.3181	180E	, 1%, 0.6W, 0207, MF	
R...23	57.11.3181	180E	, 1%, 0.6W, 0207, MF	
R...24	57.11.3181	180E	, 1%, 0.6W, 0207, MF	
R...25	57.11.3181	180E	, 1%, 0.6W, 0207, MF	
R...26	57.10.3181	180E	, 1%, 0.4W, 0204, MF	
R...27	57.10.3181	180E	, 1%, 0.4W, 0204, MF	
R...28	57.10.3181	180E	, 1%, 0.4W, 0204, MF	
R...29	57.10.3181	180E	, 1%, 0.4W, 0204, MF	
R...30	57.10.3181	180E	, 1%, 0.4W, 0204, MF	
R...31	57.10.3181	180E	, 1%, 0.4W, 0204, MF	
R...32	57.10.3181	180E	, 1%, 0.4W, 0204, MF	
R...33	57.10.3181	180E	, 1%, 0.4W, 0204, MF	
R...34	57.11.3333	33k	, 1%, 0.6W, 0207, MF	
R...35	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...36	57.19.0100	10E	, 5%, 0.33W, 0207, R-FUSE	
R...37	57.11.3472	4k7	, 1%, 0.6W, 0207, MF	
R...38	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...39	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...40	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...41	57.19.0100	10E	, 5%, 0.33W, 0207, R-FUSE	
R...42	57.11.3472	4k7	, 1%, 0.6W, 0207, MF	
R...43	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...44	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...45	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...46	57.11.3241	240E	, 1%, 0.6W, 0207, MF	
R...47	57.19.0109	1E	, 5%, 0.33W, 0207, R-FUSE	
R...48	57.11.3471	470E	, 1%, 0.6W, 0207, MF	
R...49	57.11.3202	2k	, 1%, 0.6W, 0207, MF	
R...50	57.11.3202	2k	, 1%, 0.6W, 0207, MF	
R...51	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...52	57.11.3471	470E	, 1%, 0.6W, 0207, MF	
R...53	57.11.3202	2k	, 1%, 0.6W, 0207, MF	
R...54	57.11.3181	180E	, 1%, 0.6W, 0207, MF	
R...55	57.11.3241	240E	, 1%, 0.6W, 0207, MF	
R...56	57.11.3561	560E	, 1%, 0.6W, 0207, MF	
R...57	57.11.3181	180E	, 1%, 0.6W, 0207, MF	
R...58	57.11.3181	180E	, 1%, 0.6W, 0207, MF	
R...59	57.11.3561	560E	, 1%, 0.6W, 0207, MF	
R...60	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...61	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...62	57.11.3103	10k	, 1%, 0.6W, 0207, MF	
R...63	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...64	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...65	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...66	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...67	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...68	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...69	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...70	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...71	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...72	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...73	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...74	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...75	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...76	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...77	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...78	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...79	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...80	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...81	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...82	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...83	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...84	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...85	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...86	57.11.3332	3k3	, 1%, 0.6W, 0207, MF	
R...87	57.11.3332	3k3</td		

## I.755.200.21 POWER SUPPLY BOARD 2/2

R..1123	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1124	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1125	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1126	57.11.3470	47E	,	1\$,	0.6W,	0207,	MF
R..1127	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1128	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1129	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1130	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1131	57.11.3103	10K	,	1\$,	0.6W,	0207,	MF
R..1132	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1133	57.11.3102	1k	,	1\$,	0.6W,	0207,	MF
R..1134	57.11.3103	10K	,	1\$,	0.6W,	0207,	MF
R..1135	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1136	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1137	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1138	57.11.3332	3K3	,	1\$,	0.6W,	0207,	MF
R..1139	57.11.3473	47K	,	1\$,	0.6W,	0207,	MF
R..1140	57.11.3473	47K	,	1\$,	0.6W,	0207,	MF
R..1141	57.11.3103	10K	,	1\$,	0.6W,	0207,	MF
RZ...2	57.88.4103	10K	,	2\$,	0.125W,	SIP09, 8 * 10K	
T....400	1.755.300.10	TRAFO	,	P27043,TRAFO 100V			
W.....1	1.755.200.93			WIRE SET POWER SUPPLY BOARD			
XF...41	53.03.0142		,	53030142,FUSE-CLIP			
XF...42	53.03.0142		,	53030142,FUSE-CLIP			
XIC..7	53.03.0173	DIL28 SOC	KET FOR IC	7			
Y..1100	89.01.1004	11.059MHz	,	PAR., 89011-2B,HC18/43/49/U VERT.			

MF=Metalfilm

CF=Carbonfilm

Cerm=Cermet

Cer=Ceramic

PETP=Polyester

PP=Polypropylene

Tri=Trimmer

El=Electrolytic

Si=Silizium

MANUFACTURER: Sie=Siemens, RCA=Radio Corporation Of America, TDK=TDK,

Mot=Motorola, Ph=Philips, NS=National Semiconductors,

Stettner=Stettner, Dam=Dam Electronic, Com=Componex,

Hi= Hirschmann, Del=Delevan,

END

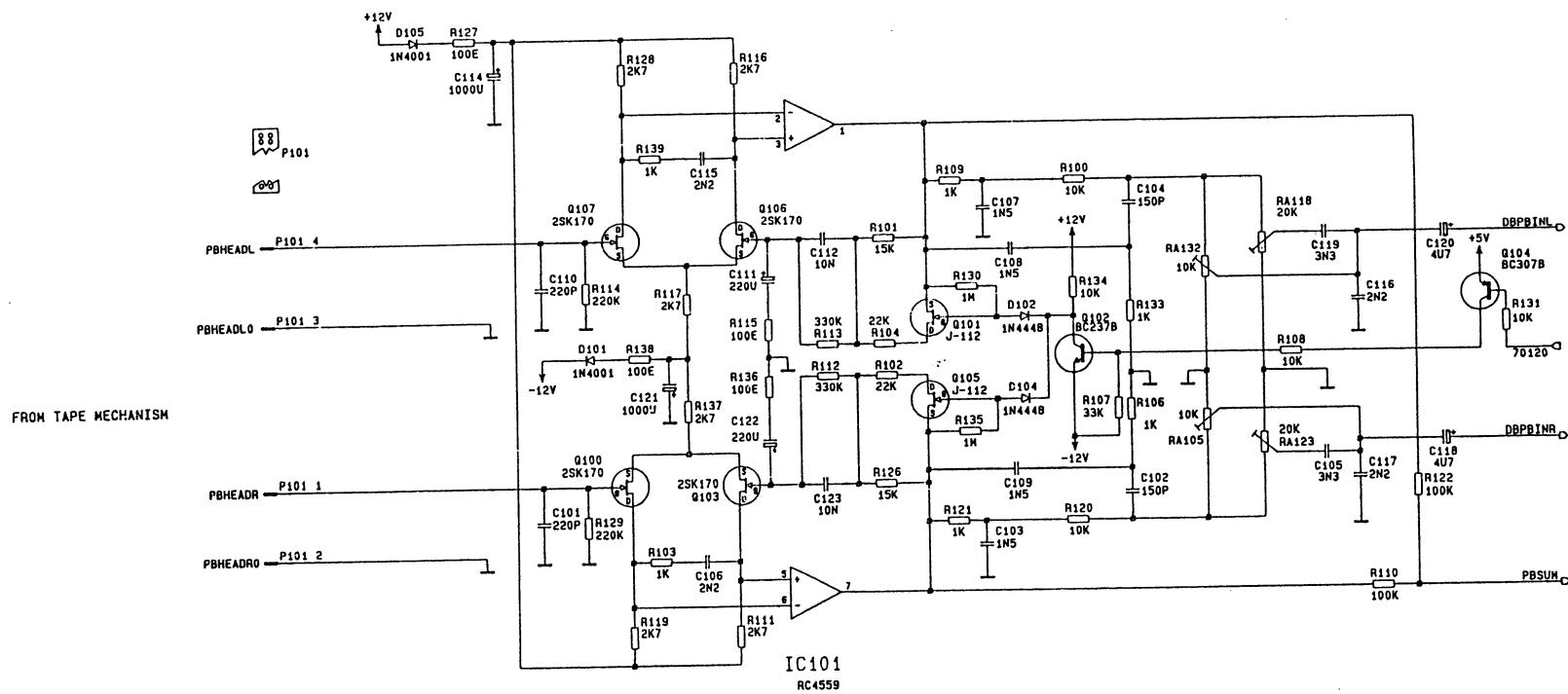
**1.755.210.00 EJECT CONTROL BOARD D-MC**

Ad ..Pos.. ...Ref.No... Description .....

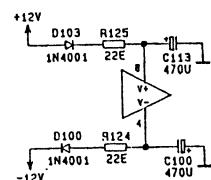
C.....7	59.22.6472	4.7 m	-20%, 40V , EL	
D.....2	50.04.0122	1N4001	1A, 100V	silicon diode
D....3	50.04.0122	1N4001	1A, 100V	silicon diode
DZ....1	50.04.1135	3.6 V	5@ 5mA	zener diode
J.....1	54.14.5514	14 Pin	J-Micro-Match fem. vert.	Molex
J.....2	54.14.5534	14 Pin	J-Micro-Match fem. vert.	Molex
MP....1	1.755.210.11	1 pcs	Eject Control PCB D-MC	REVOX
MP....2	1.755.210.00	1 pcs	Number Label	REVOX
P....1	54.02.0471	1 Pin	Plug	
Q....2	50.03.0515	BC557B	General Purpose PNP	
Q....3	50.03.0523	ZTX651	ICM-2A hFE>70 NPN SW	Zilog
R....8	57.19.0101	100	5%, 0.25W	Fusible resistor
R....9	57.11.3103	10 k	5%, 0.25W	MF
R....10	57.11.3103	10 k	5%, 0.25W	MF
R....11	57.11.3151	150	5%, 0.25W	MF
R....12	57.11.3333	33 k	5%, 0.25W	MF
W....1	1.755.210.93		Wire Set Eject Cntl D-MC	REVOX

SI92/07/0600

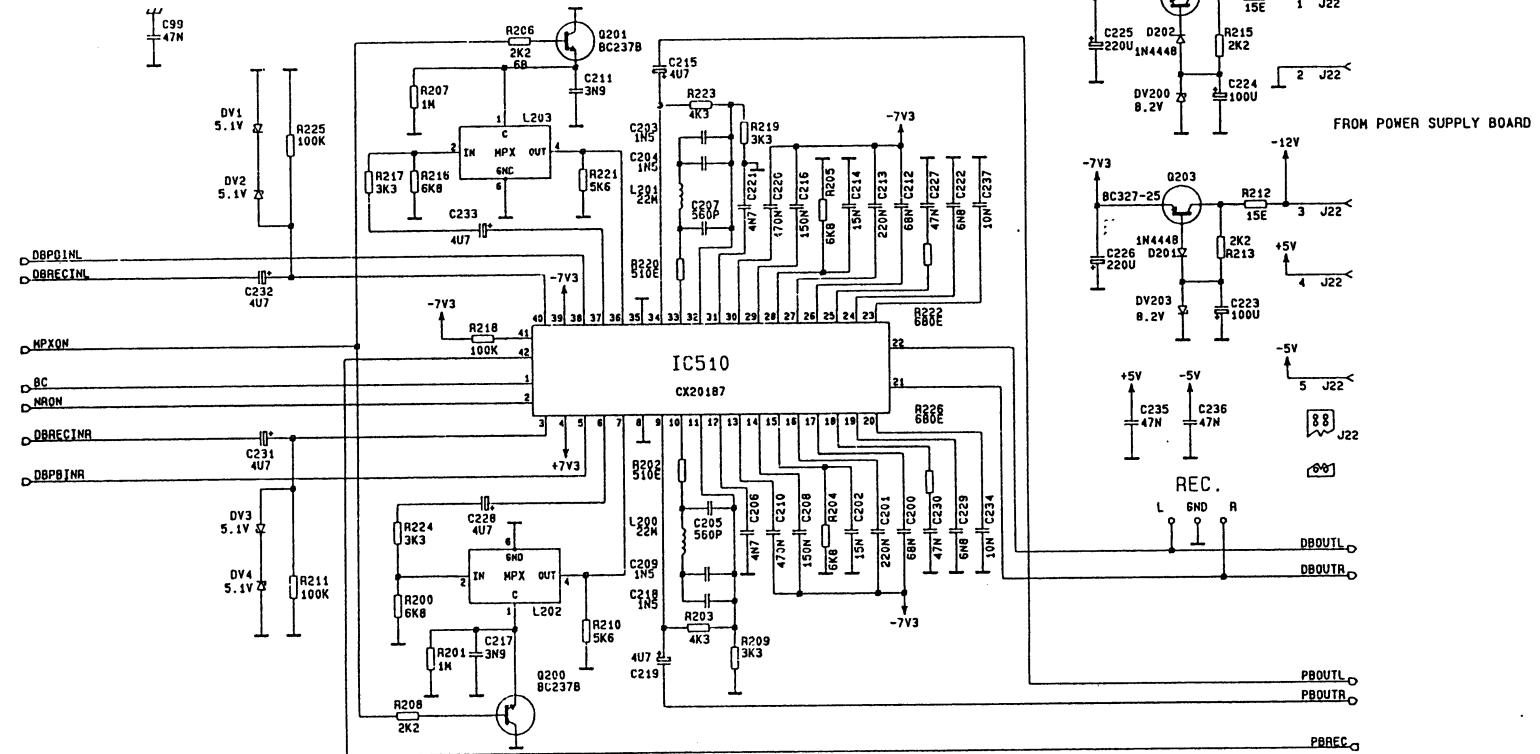
END



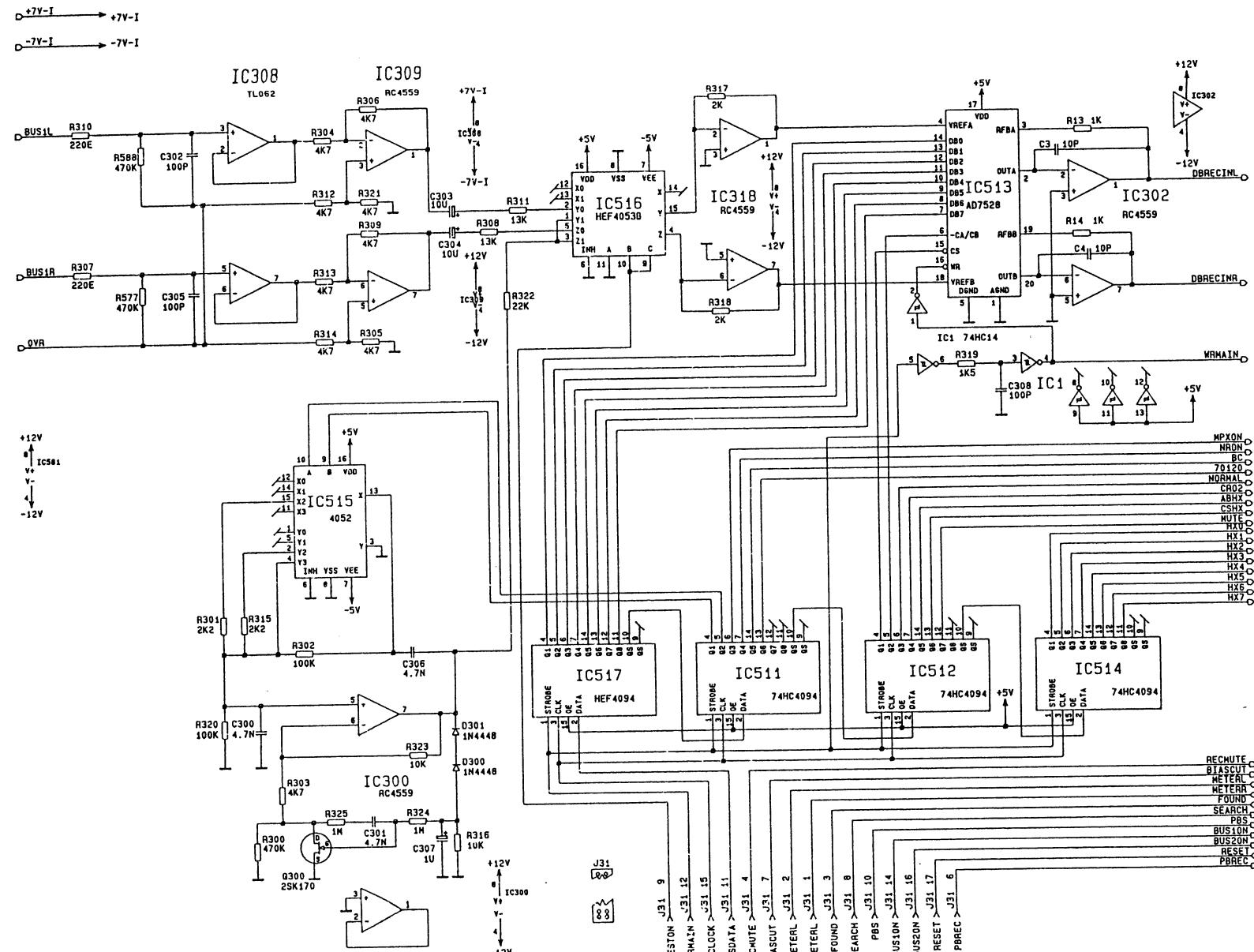
IC101  
RC4559



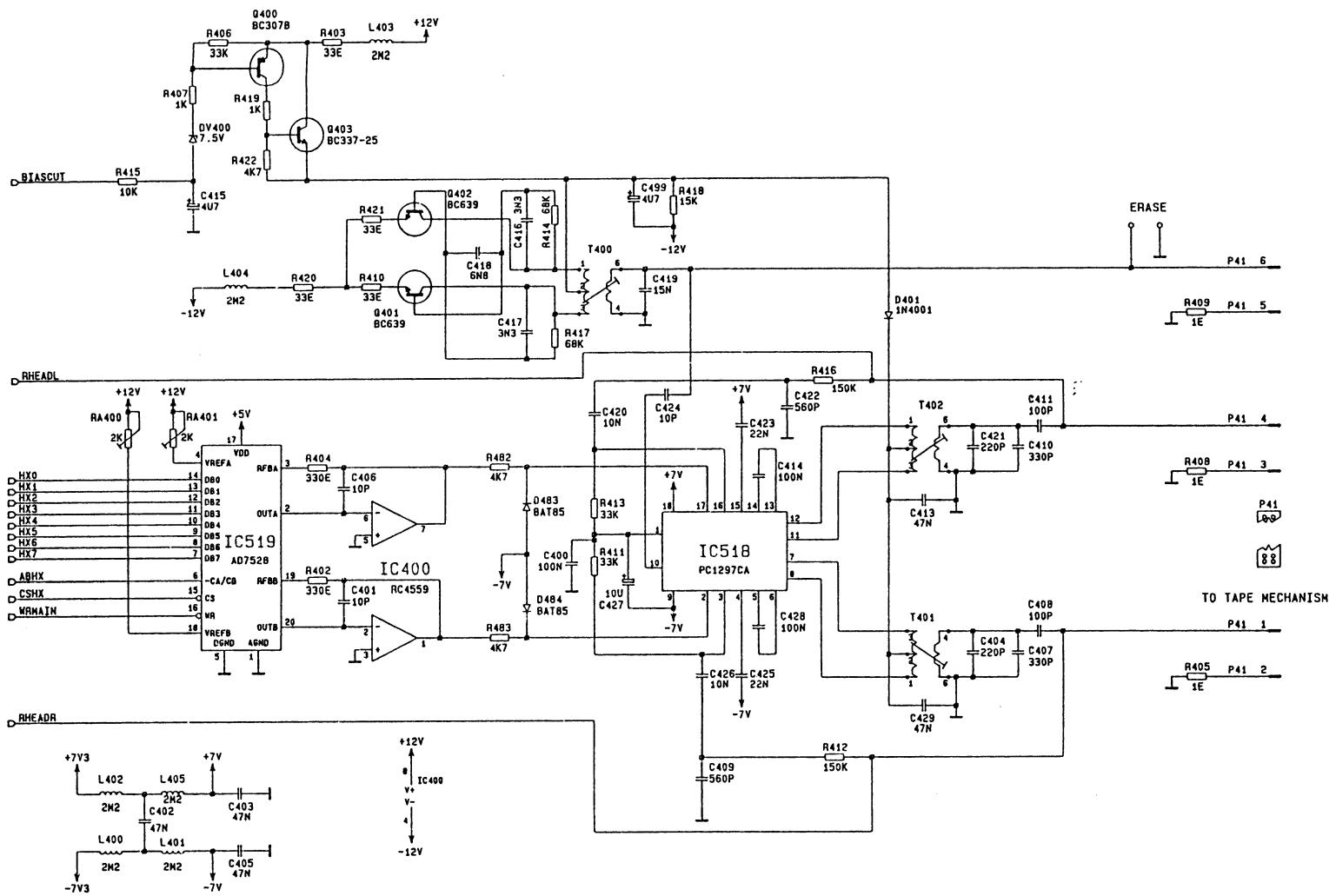
0 29.10.91 FAR	1 04.02.93 FAR		
CC-TAPE DECK D-MC			
REVOX		MAIN BOARD	
SC 1.755.220.00		PAGE 1 OF 6	

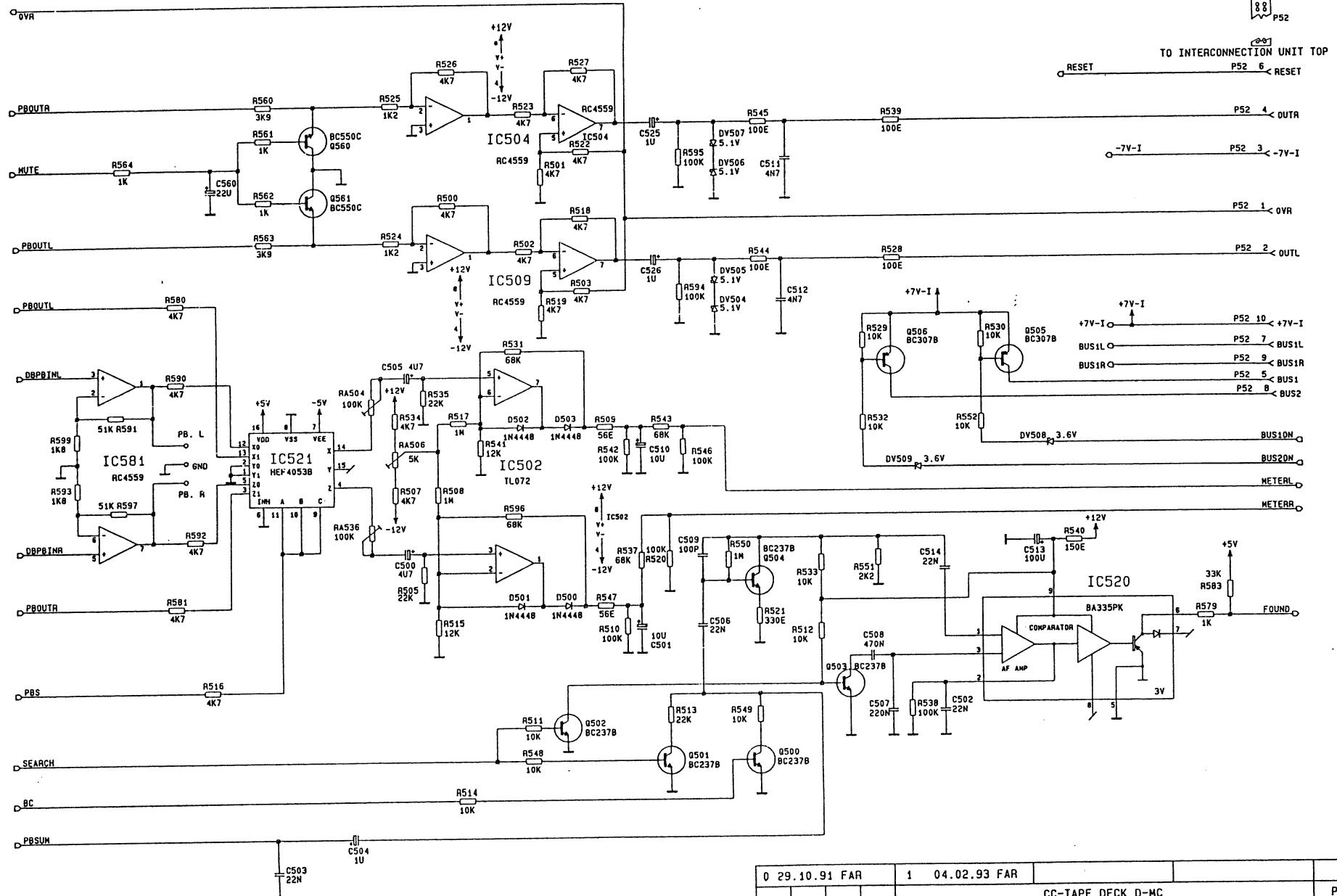


0 29.10.91 FAR	1 04.02.93 FAR		
CC-TAPE DECK D-MC			
REVOX	MAIN BOARD	SC	1.755.220.00

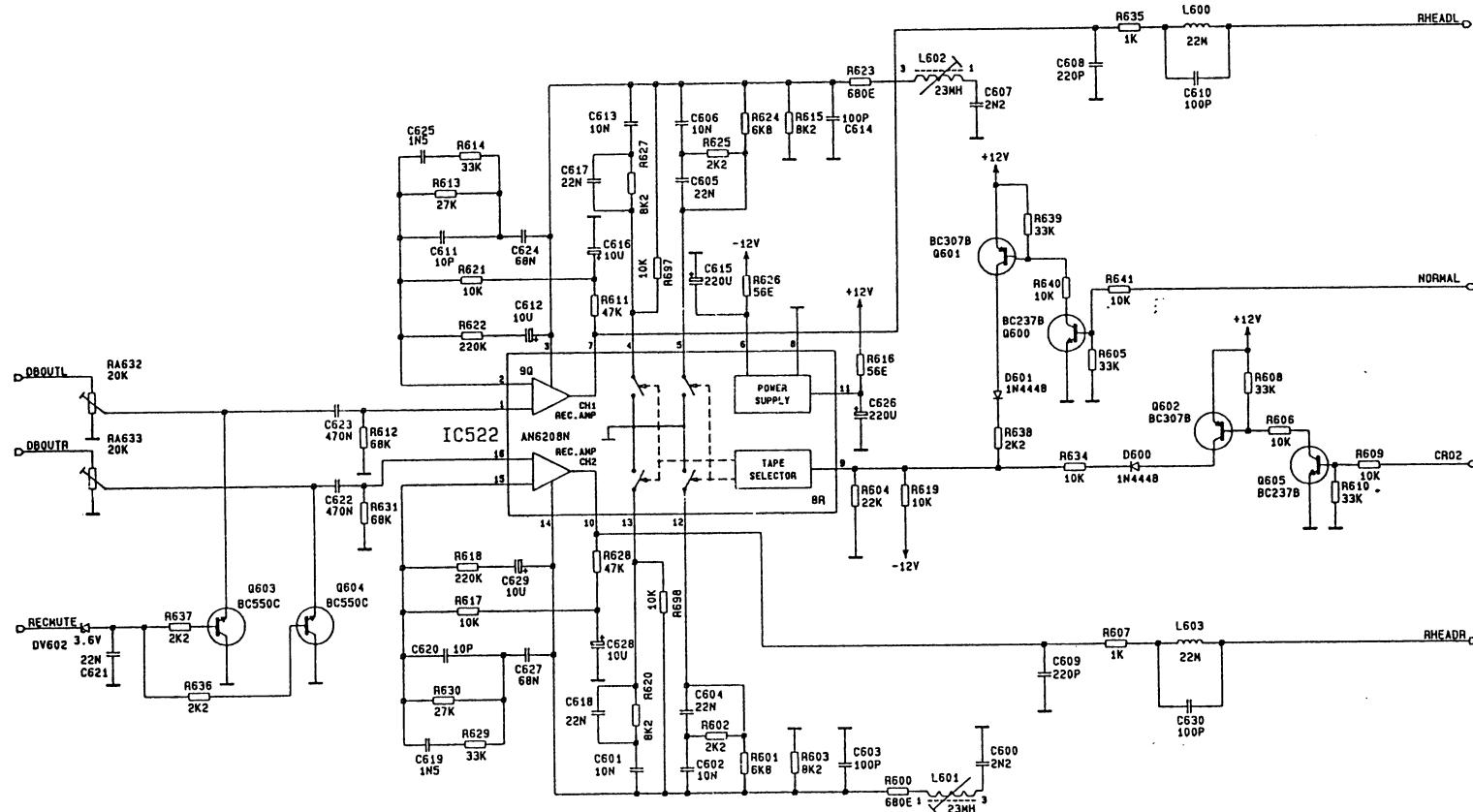


0 29.10.91 FAR	1 04.02.93 FAR		
		CC-TAPE DECK D-MC	PAGE 3 OF 6
REVOX	MAIN BOARD	SC 1.755.220.00	

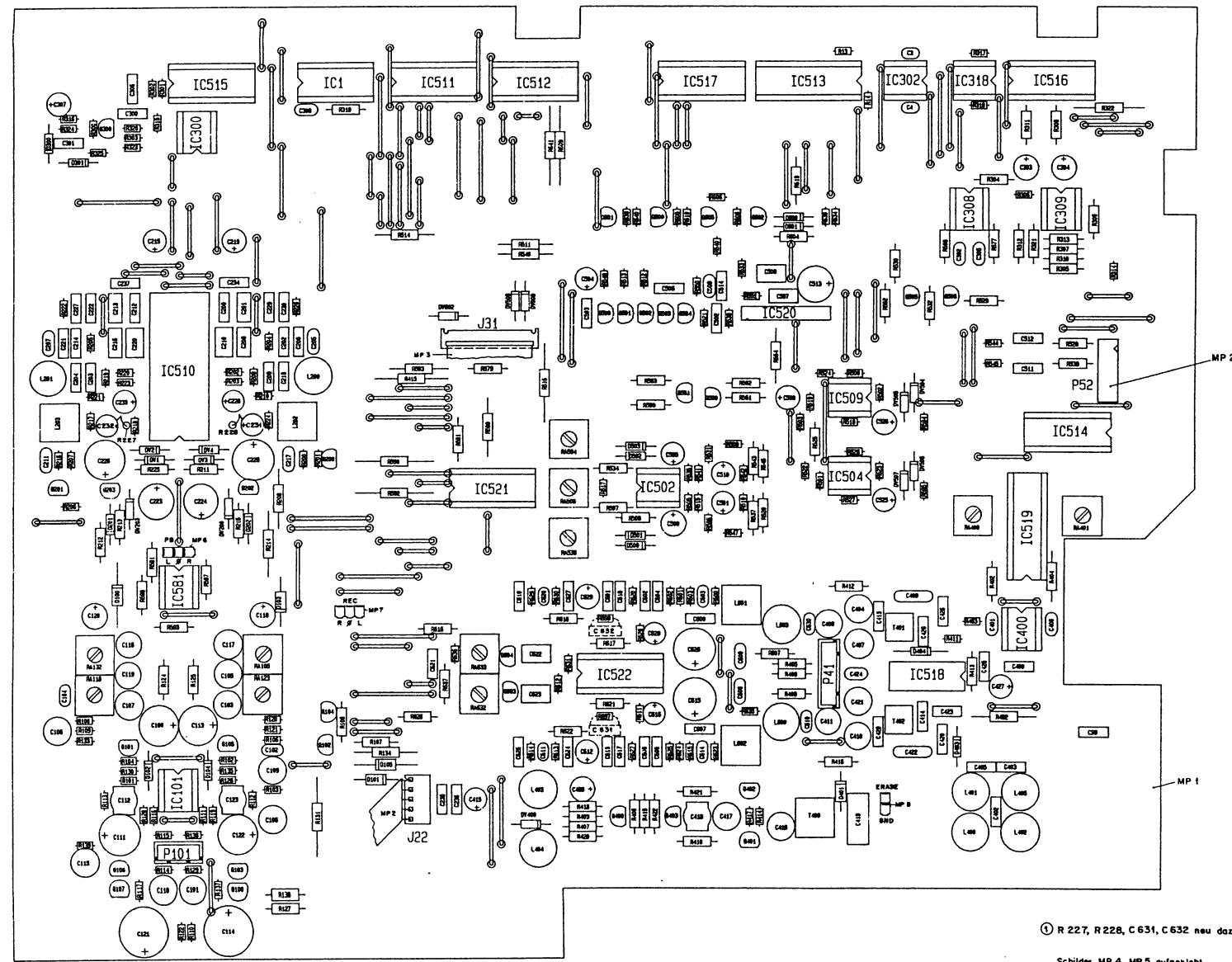




0 29.10.91 FAR	1 04.02.93 FAR		
REVOX	MAIN BOARD	SC 1.755.220.00	PAGE 5 OF 6



0 29.10.91 FAR	1 04.02.93 FAR		
		CC-TAPE DECK D-MC	PAGE 6 OF 6
<b>REVOX</b>	<b>MAIN BOARD</b>	SC	1.755.220.00



① R 227, R 228, C 631, C 632 nach dazu

Schilder MP 4, MP 5 aufgeklebt  
nach Fabrikationsmuster.

Name-Nr.:	Code:			
OHN-Bes.:	Bem.:			
Abmessung:				
Zugfrequenz Unterlagen: PL, K.L.	Freimassefrequenz: x	Massfrequenz: 1-4,8	Abgleich: 19.3.92 <del>19.3.92</del>	
Ereise-Nr.:	Erstellt durch:		Datum:	
<b>STUDER NEGATIVEUR ZURICH</b>	<b>MAIN BOARD D-MC</b>		<b>ESE</b>	<b>Karte-Nr.:</b> <b>1.755.220-00</b>

**I.755.220.00 MAIN BOARD I/4**

Ad ..Pos.. ...Ref.No... Description .....

C....3	59.34.1100	10p	, 5%,	63V,	59.34-1,	NPO	C...405	59.06.0473	47n	, 10%,	63V,	59.06-1	
C....4	59.34.1100	10p	, 5%,	63V,	59.34-1,	NPO	C...406	59.32.1100	10p	, 10%,	400V,	59.32-1	
C....99	59.06.0473	47n	, 10%,	63V,	59.06-1		C...407	59.05.1331	330p	, 1%,	630V,	59.05-1	
C...100	59.22.4471	470u	, -20/+50%,	16V,	59.22-E		C...408	59.05.1101	100p	, 1%,	630V,	59.05-1	
C...101	59.05.2221	220p	, 2.5%,	630V,	59.05-1		C...409	59.34.5561	560p	, 5%,	63V,	59.34-5,	N1500
C...102	59.34.7151	150p	, 2%,	63V,	59.34-2,	N150	C...410	59.05.1331	330p	, 1%,	630V,	59.05-1	
C...103	59.05.1152	1n5	, 1%,	160V,	59.05-1		C...411	59.05.1101	100p	, 1%,	630V,	59.05-1	
C...104	59.34.7151	150p	, 2%,	63V,	59.34-2,	N150	C...413	59.06.0473	47n	, 10%,	63V,	59.06-1	
C...105	59.05.1332	3n3	, 1%,	160V,	59.05-1		C...414	59.06.0104	100n	, 10%,	63V,	59.06-1	
C...106	59.05.1222	2n2	, 1%,	160V,	59.05-1		C...415	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q	
C...107	59.05.1152	1n5	, 1%,	160V,	59.05-1		C...416	59.05.2332	3n3	, 2.5%,	160V,	59.05-1	
C...108	59.05.1152	1n5	, 1%,	160V,	59.05-1		C...417	59.05.2332	3n3	, 2.5%,	160V,	59.05-1	
C...109	59.05.1152	1n5	, 1%,	160V,	59.05-1		C...418	59.05.2682	6n8	, 2.5%,	63V,	59.05-2	
C...110	59.05.2221	220p	, 2.5%,	630V,	59.05-1		C...419	59.05.6153	15n	, 10%,	400V,59056-13*5.5*11		
C...111	59.22.4221	220u	, -20/+50%,	16V,	59.22-B		C...420	59.06.0103	10n	, 10%,	63V,	59.06-1	
C...112	59.05.2103	10n	, 2.5%,	63V,	59.05-2		C...421	59.05.1221	220p	, 1%,	630V,	59.05-1	
C...113	59.22.4471	470u	, -20/+50%,	16V,	59.22-E		C...422	59.34.5561	560p	, 5%,	63V,	59.34-5,	N1500
C...114	59.22.4102	1000u	, -20/+50%,	16V,	59.22-G		C...423	59.06.0223	22n	, 10%,	63V,	59.06-1	
C...115	59.05.1222	2n2	, 1%,	160V,	59.05-1		C...424	59.32.1100	10p	, 10%,	400V,	59.32-1	
C...116	59.05.2222	2n2	, 2.5%,	160V,	59.05-1		C...425	59.06.0223	22n	, 10%,	63V,	59.06-1	
C...117	59.05.2222	2n2	, 2.5%,	160V,	59.05-1		C...426	59.06.0103	10n	, 10%,	63V,	59.06-1	
C...118	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q		C...427	59.22.6100	10u	, -20/+50%,	35V,	59.22-Q	
C...119	59.05.1332	3n3	, 1%,	160V,	59.05-1		C...428	59.06.0104	100n	, 10%,	63V,	59.06-1	
C...120	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q		C...429	59.06.0473	47n	, 10%,	63V,	59.06-1	
C...121	59.22.4102	1000u	, -20/+50%,	16V,	59.22-G		C...430	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q	
C...122	59.22.4221	220u	, -20/+50%,	16V,	59.22-B		C...431	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q	
C...123	59.05.2103	10n	, 2.5%,	63V,	59.05-2		C...432	59.06.0223	22n	, 10%,	63V,	59.06-1	
C...200	59.06.0683	68n	, 10%,	63V,	59.06-1		C...433	59.06.0223	22n	, 10%,	63V,	59.06-1	
C...201	59.06.0224	220n	, 10%,	63V,	59.06-2		C...434	59.22.8109	1u	, -20/+50%,	50V,	59.22-Q	
C...202	59.06.0153	15n	, 10%,	63V,	59.06-1		C...435	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q	
C...203	59.06.5152	1n5	, 5%,	63V,	59.06-1		C...436	59.06.0223	22n	, 10%,	63V,	59.06-1	
C...204	59.06.5152	1n5	, 5%,	63V,	59.06-1		C...437	59.06.0224	220n	, 10%,	63V,	59.06-2	
C...205	59.34.5561	560p	, 5%,	50V,	59.34-14		C...438	59.06.0474	470n	, 10%,	63V,	59.06-3	
C...206	59.06.0473	47n	, 10%,	63V,	59.06-1		C...439	59.32.1101	100p	, 10%,	400V,	59.32-1	
C...207	59.34.5561	560p	, 5%,	50V,	59.34-14		C...440	59.22.6100	10u	, -20/+50%,	35V,	59.22-Q	
C...208	59.06.0154	150n	, 10%,	63V,	59.06-2		C...441	59.22.8109	1u	, -20/+50%,	50V,	59.22-Q	
C...209	59.06.5152	1n5	, 5%,	63V,	59.06-1		C...442	59.22.8109	1u	, -20/+50%,	50V,	59.22-Q	
C...210	59.06.0474	470n	, 10%,	63V,	59.06-3		C...443	59.06.0224	22n	, 10%,	63V,	59.06-1	
C...211	59.99.1103	3n9	, 5%,	50V,	59.32-14		C...444	59.06.0223	22n	, 10%,	63V,	59.06-1	
C...212	59.06.0683	68n	, 10%,	63V,	59.06-1		C...445	59.22.8109	1u	, -20/+50%,	50V,	59.22-Q	
C...213	59.06.0224	220n	, 10%,	63V,	59.06-2		C...446	59.22.8109	1u	, -20/+50%,	50V,	59.22-Q	
C...214	59.06.0153	15n	, 10%,	63V,	59.06-1		C...447	59.22.8109	1u	, -20/+50%,	50V,	59.22-Q	
C...215	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q		C...448	59.22.5220	22u	, -20/+50%,	10V,	59.22-Q	
C...216	59.06.0154	150n	, 10%,	63V,	59.06-2		C...449	59.06.5222	2n2	, 5%,	63V,	59.06-1	
C...217	59.99.1103	3n9	, 5%,	50V,	59.32-14		C...450	59.06.5103	10n	, 5%,	63V,	59.06-1	
C...218	59.06.5152	1n5	, 5%,	63V,	59.06-1		C...451	59.22.6100	10u	, -20/+50%,	35V,	59.22-Q	
C...219	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q		C...452	59.22.8109	1u	, -20/+50%,	50V,	59.22-Q	
C...220	59.06.0474	470n	, 10%,	63V,	59.06-3		C...453	59.22.5220	22u	, -20/+50%,	10V,	59.22-Q	
C...221	59.06.0473	47n	, 10%,	63V,	59.06-1		C...454	59.06.5103	10n	, 5%,	63V,	59.06-1	
C...222	59.06.0682	6n8	, 10%,	63V,	59.06-1		C...455	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...223	59.22.4101	100u	, -20/+50%,	16V,	59.22-A		C...456	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...224	59.22.4101	100u	, -20/+50%,	16V,	59.22-A		C...457	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...225	59.22.4221	220u	, -20/+50%,	16V,	59.22-B		C...458	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...226	59.22.4221	220u	, -20/+50%,	16V,	59.22-3		C...459	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...227	59.06.0473	47n	, 10%,	63V,	59.06-1		C...460	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...228	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q		C...461	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...229	59.06.0682	6n8	, 10%,	63V,	59.06-1		C...462	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...230	59.06.0473	47n	, 10%,	63V,	59.06-1		C...463	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...231	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q		C...464	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...232	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q		C...465	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...233	59.22.8479	4u7	, -20/+50%,	50V,	59.22-Q		C...466	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...234	59.06.0103	10n	, 10%,	63V,	59.06-1		C...467	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...235	59.06.0473	47n	, 10%,	63V,	59.06-1		C...468	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...236	59.06.0473	47n	, 10%,	63V,	59.06-1		C...469	59.06.5152	1n5	, 5%,	63V,	59.06-1	
C...237	59.06.0103	10n	, 10%,	63V,	59.06-1		C...470	59.34.1100	10p	, 5%,	63V,	59.34-1,	NP0
C...300	59.06.0472	4n7	, 10%,	63V,	59.06-1		C...471	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...301	59.06.0472	4n7	, 10%,	63V,	59.06-1		C...472	59.06.5223	22n	, 5%,	63V,	59.06-1	
C...302	59.32.1101	100p	, 10%,	400V,	59.32-1		C...473	59.06.0474	470n	, 10%,	63V,	59.06-3	
C...303	59.22.6100	10u	, -20/+50%,	35V,	59.22-Q		C...474	59.06.0474	470n	, 10%,	63V,	59.06-3	
C...304	59.22.6100	10u	, -20/+50%,	35V,	59.22-Q		C...475	59.06.5683	68n	, 5%,	63V,	59.06-1	
C...305	59.32.1101	100p	, 10%,	400V,	59.32-1		C...476	59.06.5683	1n5	, 5%,	63V,	59.06-1	
C...306	59.06.0472	4n7	, 10%,	63V,	59.06-1		C...477	59.06.5683	68n	, 5%,	63V,	59.06-1	
C...307	59.22.8109	lu	, -20/+50%,	50V,	59.22-Q		C...478	59.06.5683	68n	, 5%,	63V,	59.22-Q	
C...308	59.32.1101	100p	, 10%,	400V,	59.32-1		C...479	59.22.6100	10u	, -20/+50%,	35V,	59.22-Q	
C...309	59.06.0104	100n	, 10%,	63V,	59.06-1		C...480	59.22.6100	10u	, -20/+50%,	35V,	59.22-Q	
C...310	59.32.1100	10p	, 10%,	400V,	59.32-1		C...481	59.34.1100	100p	, 5%,	63V,	59.34-2,	NP0
C...311	59.06.0472	4n7	, 10%,	63V,	59.06-1		C...482	59.06.5683	68n	, 5%,	63V,	59.06-1	
C...312	59.06.0472	4n7	, 10%,	63V,	59.06-1		C...483	59.06.5683	68n	, 5%,	63V,	59.06-1	
C...313	59.06.0472	4n7	, 10%,	63V,	59.06-1		C...484	59.06.568					

## 1.755.220.00 MAIN BOARD 2/4

D...401	50.04.0122	1N4001	,	D041,RECTIFIER	Q...200	50.03.0436	BC237B	,	NPN,	T092-1		
D...483	50.04.0127	BAT85	,	D035, SCHOTTKY	Q...201	50.03.0436	BC237B	,	NPN,	T092-1		
D...484	50.04.0127	BAT85	,	D035, SCHOTTKY	Q...202	50.43.0340	BC337-25	,	NPN,	T092-1		
D...500	50.04.0125	1N4448	,	D035,RECTIFIER	Q...203	50.03.0351	BC327-25	,	PNP,	T092-1		
D...501	50.04.0125	1N4448	,	D035,RECTIFIER	Q...300	50.03.0215	2SK170	,	NFET,	T092-7		
D...502	50.04.0125	1N4448	,	D035,RECTIFIER	Q...400	50.03.0515	BC307B	,	PNP,	T092-1		
D...503	50.04.0125	1N4448	,	D035,RECTIFIER	Q...401	50.03.0551	BC639	,	NPN,	T092-4		
D...600	50.04.0125	1N4448	,	D035,RECTIFIER	Q...402	50.03.0551	BC639	,	NPN,	T092-4		
D...601	50.04.0125	1N4448	,	D035,RECTIFIER	Q...403	50.43.0340	BC337-25	,	NPN,	T092-1		
DV....1	50.04.1112	5.1V	,	5\$, 0.5W,	Q...500	50.03.0436	BC237B	,	NPN,	T092-1		
DV....2	50.04.1112	5.1V	,	5\$, 0.5W,	D035, ZENER	Q...501	50.03.0436	BC237B	,	NPN,	T092-1	
DV....3	50.04.1112	5.1V	,	5\$, 0.5W,	D035, ZENER	Q...502	50.03.0436	BC237B	,	NPN,	T092-1	
DV....4	50.04.1112	5.1V	,	5\$, 0.5W,	D035, ZENER	Q...503	50.03.0436	BC237B	,	NPN,	T092-1	
DV..200	50.04.1144	8.2V	,	5\$, 0.5W,	D035, ZENER	Q...504	50.03.0436	BC237B	,	NPN,	T092-1	
DV..203	50.04.1144	8.2V	,	5\$, 0.5W,	D035, ZENER	Q...505	50.03.0515	BC307B	,	PNP,	T092-1	
DV..400	50.04.1103	7.5V	,	5\$, 0.5W,	D035, ZENER	Q...506	50.03.0515	BC307B	,	PNP,	T092-1	
DV..504	50.04.1112	5.1V	,	5\$, 0.5W,	D035, ZENER	Q...560	50.03.0407	BC550C	,	NPN,	T092-1	
DV..505	50.04.1112	5.1V	,	5\$, 0.5W,	D035, ZENER	Q...561	50.03.0407	BC550C	,	NPN,	T092-1	
DV..506	50.04.1112	5.1V	,	5\$, 0.5W,	D035, ZENER	Q...600	50.03.0436	BC237B	,	NPN,	T092-1	
DV..507	50.04.1112	5.1V	,	5\$, 0.5W,	D035, ZENER	Q...601	50.03.0515	BC307B	,	PNP,	T092-1	
DV..508	50.04.1135	3.6V	,	5\$, 0.5W,	D035, ZENER	Q...602	50.03.0515	BC307B	,	PNP,	T092-1	
DV..509	50.04.1135	3.6V	,	5\$, 0.5W,	D035, ZENER	Q...603	50.03.0407	BC550C	,	NPN,	T092-1	
DV..602	50.04.1135	3.6V	,	5\$, 0.5W,	D035, ZENER	Q...604	50.03.0407	BC550C	,	NPN,	T092-1	
IC...1	50.17.1014	74HC14	,	DIP14,HEX SCHMITT TRIGGER INV.	Q...605	50.03.0436	BC237B	,	NPN,	T092-1		
IC..101	50.09.0107	RC4559	,	DIP08,DUAL LINEAR OPAMP	R....13	57.10.1102	1k	,	1\$, 0.4W,	0204,	MF	
IC..300	50.09.0107	RC4559	,	DIP08,DUAL LINEAR OPAMP	R....14	57.10.1102	1k	,	1\$, 0.4W,	0204,	MF	
IC..302	50.09.0107	RC4559	,	DIP08,DUAL LINEAR OPAMP	R....100	57.10.1103	10k	,	1\$, 0.4W,	0204,	MF	
IC..308	50.09.0119	TL062	,	DIP08,DUAL POWER FET	R....101	57.10.1153	15k	,	1\$, 0.4W,	0204,	MF	
IC..309	50.09.0107	RC4559	,	DIP08,DUAL LINEAR OPAMP	R....102	57.10.1223	22k	,	1\$, 0.4W,	0204,	MF	
IC..318	50.09.0107	RC4559	,	DIP08,DUAL LINEAR OPAMP	R....103	57.10.1102	1k	,	1\$, 0.4W,	0204,	MF	
IC..400	50.09.0107	RC4559	,	DIP08,DUAL LINEAR OPAMP	R....104	57.10.1223	22k	,	1\$, 0.4W,	0204,	MF	
IC..502	50.09.0101	TL072	,	DIP08,DUAL BIFET	R....106	57.10.1102	1k	,	1\$, 0.4W,	0204,	MF	
IC..504	50.09.0107	RC4559	,	DIP08,DUAL LINEAR OPAMP	R....107	57.11.3333	33k	,	1\$, 0.6W,	0207,	MF	
IC..509	50.09.0107	RC4559	,	DIP08,DUAL LINEAR OPAMP	R....108	57.11.3103	10k	,	1\$, 0.6W,	0207,	MF	
IC..510	1.755.300.16	CX20187	,	DIP42,DOLBY B-C NOISE RED. SYST.	R....109	57.10.1102	1k	,	1\$, 0.4W,	0204,	MF	
IC..511	50.17.4094	74HC4094	,	DIP16,SHIFT AND STORE BUS REG.	R....110	57.10.1104	100k	,	1\$, 0.4W,	0204,	MF	
IC..512	50.17.4094	74HC4094	,	DIP16,SHIFT AND STORE BUS REG.	R....111	57.10.1272	2k7	,	1\$, 0.4W,	0204,	MF	
IC..513	50.07.0026	AD7528	,	DIP20,D/A CONV. 8BIT DUAL MP	R....112	57.10.1334	330k	,	1\$, 0.4W,	0204,	MF	
IC..514	50.17.4094	74HC4094	,	DIP16,SHIFT AND STORE BUS REG.	R....113	57.10.1334	330k	,	1\$, 0.4W,	0204,	MF	
IC..515	50.07.0024	4052	,	DIP16,DUAL 4-CHANNEL MUX/DEMUX	R....114	57.10.1224	220k	,	1\$, 0.4W,	0204,	MF	
IC..516	50.07.0015	HEF4053B	,	DIP16,TRIP. 2-CH. ANA. MUX/DEMU	R....115	57.10.1101	100E	,	1\$, 0.4W,	0204,	MF	
IC..517	50.17.4094	74HC4094	,	DIP16,SHIFT AND STORE BUS REG.	R....116	57.10.1272	2k7	,	1\$, 0.4W,	0204,	MF	
IC..518	1.755.300.19	PC1297CA	,	DIP18,HX-PRO IC	R....117	57.10.1272	2k7	,	1\$, 0.4W,	0204,	MF	
IC..519	50.07.0026	AD7528	,	DIP20,D/A CONV. 8BIT DUAL MP	R....119	57.10.1272	2k7	,	1\$, 0.4W,	0204,	MF	
IC..520	1.755.300.20	BA336PK	,	S/P09,COMPARATOR	R....120	57.10.1103	10k	,	1\$, 0.4W,	0204,	MF	
IC..521	50.07.0015	HEF4053B	,	DIP16,TRIP. 2-CH. ANA. MUX/DEMU	R....121	57.10.1102	1k	,	1\$, 0.4W,	0204,	MF	
IC..522	1.755.300.21	AN6208N	,	DIP16,RECORD AMPLIFIER	R....122	57.10.1104	100k	,	1\$, 0.4W,	0204,	MF	
IC..581	50.09.0107	RC4559	,	DIP08,DUAL LINEAR OPAMP	R....124	57.11.3220	22E	,	1\$, 0.6W,	0207,	MF	
J....22	54.12.0405	5-P	,	RM2.50, FEM., J-WX, TOP-CONN	R....125	57.11.3220	22E	,	1\$, 0.6W,	0207,	MF	
J....31	1.721.490.09	17-P	,	FCC/FPC CONN.1.25 mm PITCH MOLEX	R....126	57.10.1153	15k	,	1\$, 0.4W,	0204,	MF	
L...200	62.02.3223	22m	,	10\$, 118E(0HM), 62023-2, HF-CHOKE	R....127	57.11.3101	100E	,	1\$, 0.6W,	0207,	MF	
L...201	62.02.3223	22m	,	10\$, 118E(0HM), 62023-2, HF-CHOKE	R....128	57.10.1272	2k7	,	1\$, 0.4W,	0204,	MF	
L...202	1.755.300.17	mPX	,	P27041,MPX-FILTER	R....129	57.10.1224	220k	,	1\$, 0.4W,	0204,	MF	
L...203	1.755.300.17	mPX	,	P27041,MPX-FILTER	R....130	57.10.1105	1M	,	1\$, 0.4W,	0204,	MF	
L...400	62.02.3222	2m2	,	10\$, 8E4 (0HM), 62023-2, HF-CHOKE	R....131	57.11.3103	10k	,	1\$, 0.6W,	0207,	MF	
L...401	62.02.3222	2m2	,	10\$, 8E4 (0HM), 62023-2, HF-CHOKE	R....132	57.10.1102	1k	,	1\$, 0.4W,	0204,	MF	
L...402	62.02.3222	2m2	,	10\$, 8E4 (0HM), 62023-2, HF-CHOKE	R....134	57.11.3103	10k	,	1\$, 0.6W,	0207,	MF	
L...403	62.02.3222	2m2	,	10\$, 8E4 (0HM), 62023-2, HF-CHOKE	R....135	57.10.1105	1M	,	1\$, 0.4W,	0204,	MF	
L...404	62.02.3222	2m2	,	10\$, 8E4 (0HM), 62023-2, HF-CHOKE	R....136	57.10.1101	100E	,	1\$, 0.4W,	0204,	MF	
L...405	62.02.3222	2m2	,	10\$, 8E4 (0HM), 62023-2, HF-CHOKE	R....137	57.10.1272	2k7	,	1\$, 0.4W,	0204,	MF	
L...600	62.02.3223	22m	,	10\$, 118E(0HM), 62023-2, HF-CHOKE	R....138	57.11.3101	100E	,	1\$, 0.6W,	0207,	MF	
L...601	62.99.0109	23mH	,	CUBE10-5G,ADJ. COIL	R....139	57.10.1102	1k	,	1\$, 0.4W,	0204,	MF	
L...602	62.99.0109	23mH	,	CUBE10-5G,ADJ. COIL	R....200	57.10.1682	6k8	,	1\$, 0.4W,	0204,	MF	
L...603	62.02.3223	22m	,	10\$, 118E(0HM), 62023-2, HF-CHOKE	R....201	57.10.1105	1M	,	1\$, 0.4W,	0204,	MF	
MP....1	1.755.220.11	1 PC S	,	Empty PCB	R....202	57.10.1511	510E	,	1\$, 0.4W,	0204,	MF	
MP....2	1.755.220.94	1 PC S	,	CABLE SET	R....203	57.10.1432	4k3	,	1\$, 0.4W,	0204,	MF	
MP....3	1.721.490.05	1 PC S	,	FLEX JUMPER 17P	R....204	57.10.1682	6k8	,	1\$, 0.4W,	0204,	MF	
MP....4	43.01.0108	1 PC S	,	ESE WARNING LABEL	R....205	57.10.1682	6k8	,	1\$, 0.4W,	0204,	MF	
MP....5	1.755.220.01	1 PC S	,	NUMBER LABEL	R....206	57.10.1222	2k2	,	1\$, 0.4W,	0204,	MF	
MP....6	54.11.0126	3 PC S	,	P-STRIP P581-P583	R....207	57.10.1105	1M	,	1\$, 0.4W,	0204,	MF	
MP....7	54.11.0126	3 PC S	,	P-STRIP P511-P513	R....208	57.11.3222	2k2	,	1\$, 0.6W,	0207,	MF	
MP....8	54.11.0126	2 PC S	,	P-STRIP P419-P420	R....209	57.10.1332	3k3	,	1\$, 0.4W,	0204,	MF	
P....41	1.755.300.14	6P	,	CONN.FOR REC. & ERASE HEAD	R....210	57.10.1562	5k6	,	1\$, 0.4W,	0204,	MF	
P....101	1.755.300.15	4P	,	CONN.FOR PB_HEAD	R....211	57.11.3104	100k	,	1\$, 0.6W,	0207,	MF	
Q...100	50.03.0215	2SK170	,	NFET, T092-7	R....212	57.11.3150	15E	,	1\$, 0.6W,	0207,	MF	
Q...101	50.03.0350	J-112	,	NFET, T092-5	R....213	57.11.3222	2k2	,	1\$, 0.6W,	0207,	MF	
Q...102	50.03.0436	BC237B	,	NPN, T092-1	R....214	57.11.3222	2k2	,	1\$, 0.6W,	0207,	MF	
Q...103	50.03.0215	2SK170	,	NFET, T092-7	R....215	57.11.3222	2k2	,	1\$, 0.6W,	0207,	MF	
Q...104	50.03.0351	BC307B	,	PNP, T092-1	R....216	57.10.1682	6k8	,	1\$, 0.4W,	0204,	MF	
Q...105	50.03.0350	J-112	,	NFET, T092-5	R....217	57.10.1332	3k3	,	1\$, 0.4W,	0204,	MF	
Q...106	50.03.0215	2SK170	,	NFET, T092-7	R....218	57.10.1104	100k	,	1\$, 0.4W,	0204,	MF	
Q...107	50.03.0215	2SK170	,	NFET, T092-7	R....219	57.10.1332	3k3	,	1\$, 0.4W,	0204,	MF	
Q...108	50.03.0215	2SK170	,	NFET, T092-7	R....220	57.10.1511	510E	,	1\$, 0.4W,	0204,	MF	
Q...109	50.03.0215	2SK170	,	NFET, T092-7	R....221	57.10.1562	5k6	,	1\$, 0.4W,	0204,	MF	

## 1.755.220.00 MAIN BOARD 3/4

R...222	57.10.1681	680E ,	18,	0.4W,	0204,	MF	R...530	57.11.3103	10k ,	18,	0.6W,	0207,	MF
R...223	57.10.1432	4K3 ,	18,	0.4W,	0204,	MF	R...531	57.10.1683	68k ,	18,	0.4W,	0204,	MF
R...224	57.10.1332	3K3 ,	18,	0.4W,	0204,	MF	R...532	57.11.3103	10k ,	18,	0.6W,	0207,	MF
R...225	57.11.3104	100k ,	18,	0.6W,	0207,	MF	R...533	57.10.1103	10k ,	18,	0.4W,	0204,	MF
R...226	57.10.1681	680E ,	18,	0.4W,	0204,	MF	R...534	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...300	57.10.1474	470k ,	18,	0.4W,	0204,	MF	R...535	57.10.1223	22k ,	18,	0.4W,	0204,	MF
R...301	57.10.1222	2K2 ,	18,	0.4W,	0204,	MF	R...537	57.11.3683	68k ,	18,	0.4W,	0204,	MF
R...302	57.10.1104	100k ,	18,	0.4W,	0204,	MF	R...538	57.10.1104	100k ,	18,	0.4W,	0204,	MF
R...303	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...539	57.11.3101	100E ,	18,	0.6W,	0207,	MF
R...304	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...540	57.10.1151	150E ,	18,	0.4W,	0204,	MF
R...305	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...541	57.10.1123	12k ,	18,	0.4W,	0204,	MF
R...306	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...542	57.10.1104	100k ,	18,	0.4W,	0204,	MF
R...307	57.11.3221	220E ,	18,	0.6W,	0207,	MF	R...543	57.11.3683	68k ,	18,	0.4W,	0204,	MF
R...308	57.11.3133	13K ,	18,	0.6W,	0207,	MF	R...544	57.10.1101	100E ,	18,	0.4W,	0204,	MF
R...309	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...545	57.10.1101	100E ,	18,	0.4W,	0204,	MF
R...310	57.11.3221	220E ,	18,	0.6W,	0207,	MF	R...546	57.11.3104	100k ,	18,	0.4W,	0204,	MF
R...311	57.11.3133	13K ,	18,	0.6W,	0207,	MF	R...547	57.10.1560	56E ,	18,	0.4W,	0204,	MF
R...312	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...548	57.11.3103	10k ,	18,	0.6W,	0207,	MF
R...313	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...549	57.10.1103	10k ,	18,	0.4W,	0204,	MF
R...314	57.10.1472	4K7 ,	18,	0.6W,	0207,	MF	R...550	57.10.1105	1M ,	18,	0.4W,	0204,	MF
R...315	57.10.1222	2K2 ,	18,	0.4W,	0204,	MF	R...551	57.10.1222	2K2 ,	18,	0.4W,	0204,	MF
R...316	57.10.1103	10K ,	18,	0.4W,	0204,	MF	R...552	57.11.3103	10k ,	18,	0.6W,	0207,	MF
R...317	57.10.1202	2K ,	18,	0.4W,	0204,	MF	R...553	57.11.3392	3K9 ,	18,	0.4W,	0204,	MF
R...318	57.10.1202	2K ,	18,	0.4W,	0204,	MF	R...554	57.11.3102	1K ,	18,	0.4W,	0204,	MF
R...319	57.11.3152	1K5 ,	18,	0.6W,	0207,	MF	R...555	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...320	57.10.1104	100K ,	18,	0.4W,	0204,	MF	R...556	57.11.3392	3K9 ,	18,	0.4W,	0204,	MF
R...321	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...557	57.11.3102	1K ,	18,	0.4W,	0204,	MF
R...322	57.11.3223	22K ,	18,	0.6W,	0207,	MF	R...558	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...323	57.10.1103	10K ,	18,	0.4W,	0204,	MF	R...559	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...324	57.10.1105	1M ,	18,	0.4W,	0204,	MF	R...560	57.11.3333	3K9 ,	18,	0.6W,	0207,	MF
R...325	57.10.1105	1M ,	18,	0.4W,	0204,	MF	R...561	57.11.3102	1K ,	18,	0.4W,	0204,	MF
R...402	57.11.3331	330E ,	18,	0.6W,	0207,	MF	R...562	57.11.3102	1K ,	18,	0.4W,	0204,	MF
R...403	57.11.3330	33E ,	18,	0.6W,	0207,	MF	R...563	57.11.3392	3K9 ,	18,	0.4W,	0204,	MF
R...404	57.11.3331	330E ,	18,	0.6W,	0207,	MF	R...564	57.11.3102	1K ,	18,	0.4W,	0204,	MF
R...405	57.11.3109	1E ,	18,	0.6W,	0207,	MF	R...565	57.11.3474	470K ,	18,	0.6W,	0207,	MF
R...406	57.11.3333	33K ,	18,	0.4W,	0204,	MF	R...566	57.11.3102	1K ,	18,	0.4W,	0204,	MF
R...407	57.11.3102	1K ,	18,	0.6W,	0207,	MF	R...567	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...408	57.11.3109	1E ,	18,	0.6W,	0207,	MF	R...568	57.11.3474	470K ,	18,	0.6W,	0207,	MF
R...409	57.11.3109	1E ,	18,	0.6W,	0207,	MF	R...569	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...410	57.11.3330	33E ,	18,	0.6W,	0207,	MF	R...570	57.11.3333	3K9 ,	18,	0.6W,	0207,	MF
R...411	57.10.1333	33K ,	18,	0.4W,	0204,	MF	R...571	57.10.1104	100K ,	18,	0.4W,	0204,	MF
R...412	57.11.3154	150K ,	18,	0.6W,	0207,	MF	R...572	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...413	57.11.3333	33K ,	18,	0.6W,	0207,	MF	R...573	57.11.3182	1K8 ,	18,	0.6W,	0207,	MF
R...414	57.10.1683	68K ,	18,	0.4W,	0204,	MF	R...574	57.10.1104	100K ,	18,	0.4W,	0204,	MF
R...415	57.11.3103	10K ,	18,	0.6W,	0207,	MF	R...575	57.10.1104	100K ,	18,	0.4W,	0204,	MF
R...416	57.11.3154	150K ,	18,	0.6W,	0207,	MF	R...576	57.10.1683	68K ,	18,	0.4W,	0204,	MF
R...417	57.10.1683	68K ,	18,	0.4W,	0204,	MF	R...577	57.11.3513	51K ,	18,	0.6W,	0207,	MF
R...418	57.11.3153	15K ,	18,	0.6W,	0207,	MF	R...578	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...419	57.11.3102	1K ,	18,	0.4W,	0204,	MF	R...579	57.11.3182	1K8 ,	18,	0.6W,	0207,	MF
R...420	57.11.3330	33E ,	18,	0.6W,	0207,	MF	R...580	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...421	57.11.3330	33E ,	18,	0.6W,	0207,	MF	R...581	57.11.3102	1K ,	18,	0.4W,	0204,	MF
R...422	57.11.3472	4K7 ,	18,	0.4W,	0204,	MF	R...582	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...423	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...583	57.11.3333	3K9 ,	18,	0.6W,	0207,	MF
R...424	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...584	57.11.3474	470K ,	18,	0.6W,	0207,	MF
R...425	57.11.3104	100K ,	18,	0.4W,	0204,	MF	R...585	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...426	57.11.3103	10K ,	18,	0.6W,	0207,	MF	R...586	57.11.3103	10K ,	18,	0.4W,	0204,	MF
R...427	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...587	57.11.3513	51K ,	18,	0.6W,	0207,	MF
R...428	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...588	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...429	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...589	57.11.3102	1K ,	18,	0.4W,	0204,	MF
R...430	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...590	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...431	57.11.3330	33E ,	18,	0.6W,	0207,	MF	R...591	57.11.3513	51K ,	18,	0.6W,	0207,	MF
R...432	57.11.3330	33E ,	18,	0.6W,	0207,	MF	R...592	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF
R...433	57.11.3109	1E ,	18,	0.6W,	0207,	MF	R...593	57.11.3182	1K8 ,	18,	0.6W,	0207,	MF
R...434	57.11.3109	1E ,	18,	0.6W,	0207,	MF	R...594	57.10.1104	100K ,	18,	0.4W,	0204,	MF
R...435	57.11.3472	4K7 ,	18,	0.4W,	0204,	MF	R...595	57.10.1104	100K ,	18,	0.4W,	0204,	MF
R...436	57.11.3109	10K ,	18,	0.6W,	0207,	MF	R...596	57.10.1683	68K ,	18,	0.4W,	0204,	MF
R...437	57.11.3103	1K ,	18,	0.4W,	0204,	MF	R...597	57.11.3513	51K ,	18,	0.6W,	0207,	MF
R...438	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...598	57.11.3182	1K8 ,	18,	0.6W,	0207,	MF
R...439	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...599	57.11.3182	1K8 ,	18,	0.6W,	0207,	MF
R...440	57.11.3330	33E ,	18,	0.6W,	0207,	MF	R...600	57.10.1681	680E ,	18,	0.4W,	0204,	MF
R...441	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...601	57.10.1682	6K8 ,	18,	0.4W,	0204,	MF
R...442	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...602	57.10.1222	2K2 ,	18,	0.4W,	0204,	MF
R...443	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...603	57.10.1822	22K ,	18,	0.6W,	0207,	MF
R...444	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...604	57.11.3333	33K ,	18,	0.4W,	0204,	MF
R...445	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...605	57.10.1333	33K ,	18,	0.4W,	0204,	MF
R...446	57.11.3154	150K ,	18,	0.6W,	0207,	MF	R...606	57.10.1103	10K ,	18,	0.4W,	0204,	MF
R...447	57.10.1683	68K ,	18,	0.4W,	0204,	MF	R...607	57.11.3102	1K ,	18,	0.6W,	0207,	MF
R...448	57.11.3153	15K ,	18,	0.6W,	0207,	MF	R...608	57.10.1333	33K ,	18,	0.4W,	0204,	MF
R...449	57.11.3102	1K ,	18,	0.4W,	0204,	MF	R...609	57.11.3103	10K ,	18,	0.6W,	0207,	MF
R...450	57.11.3472	4K7 ,	18,	0.6W,	0207,	MF	R...610	57.10.1333	33K ,	18,	0.4W,	0204,	MF
R...451	57.10.1472	4K7 ,	18,	0.4W,	0204,	MF	R...611	57.10.1473	47K ,	18,	0.4W,	0204,	MF
R...45													

**I.755.220.00 MAIN BOARD 4/4**

RA..105	58.01.8103	10k	,	10%,	0.5W,	3/8",HOR.	PG
RA..118	58.01.8203	20k	,	10%,	0.5W,	3/8",HOR.	PG
RA..123	58.01.8203	20k	,	10%,	0.5W,	3/8",HOR.	PG
RA..132	58.01.8103	10k	,	10%,	0.5W,	3/8",HOR.	PG
RA..400	58.01.8202	2k	,	10%,	0.5W,	3/8",HOR.	PG
RA..401	58.01.8202	2k	,	10%,	0.5W,	3/8",HOR.	PG
RA..504	58.01.8104	100k	,	10%,	0.5W,	3/8",HOR.	PG
RA..506	58.01.8502	5k	,	10%,	0.5W,	3/8",HOR.	PG
RA..536	58.01.8104	100k	,	10%,	0.5W,	3/8",HOR.	PG
RA..632	58.01.8203	20k	,	10%,	0.5W,	3/8",HOR.	PG
RA..633	58.01.8203	20k	,	10%,	0.5W,	3/8",HOR.	PG
T...400	1.755.300.18	TOSCI1	,	P27031,OSCILLATOR ERASE			
T...401	1.755.300.22	TOSCI2	,	P27042,OSCILLATOR HX-PRO			
T...402	1.755.300.22	TOSCI2	,	P27042,OSCILLATOR HX-PRO			

FAR92/02/1300

MF=Metalfilm

CF=Carbonfilm

Cerm=Cermet

Cer=Ceramic

PETP=Polyester

PP=Polypropylen

Tri=Trimmer

El=Electrolytic

Si=Silizium

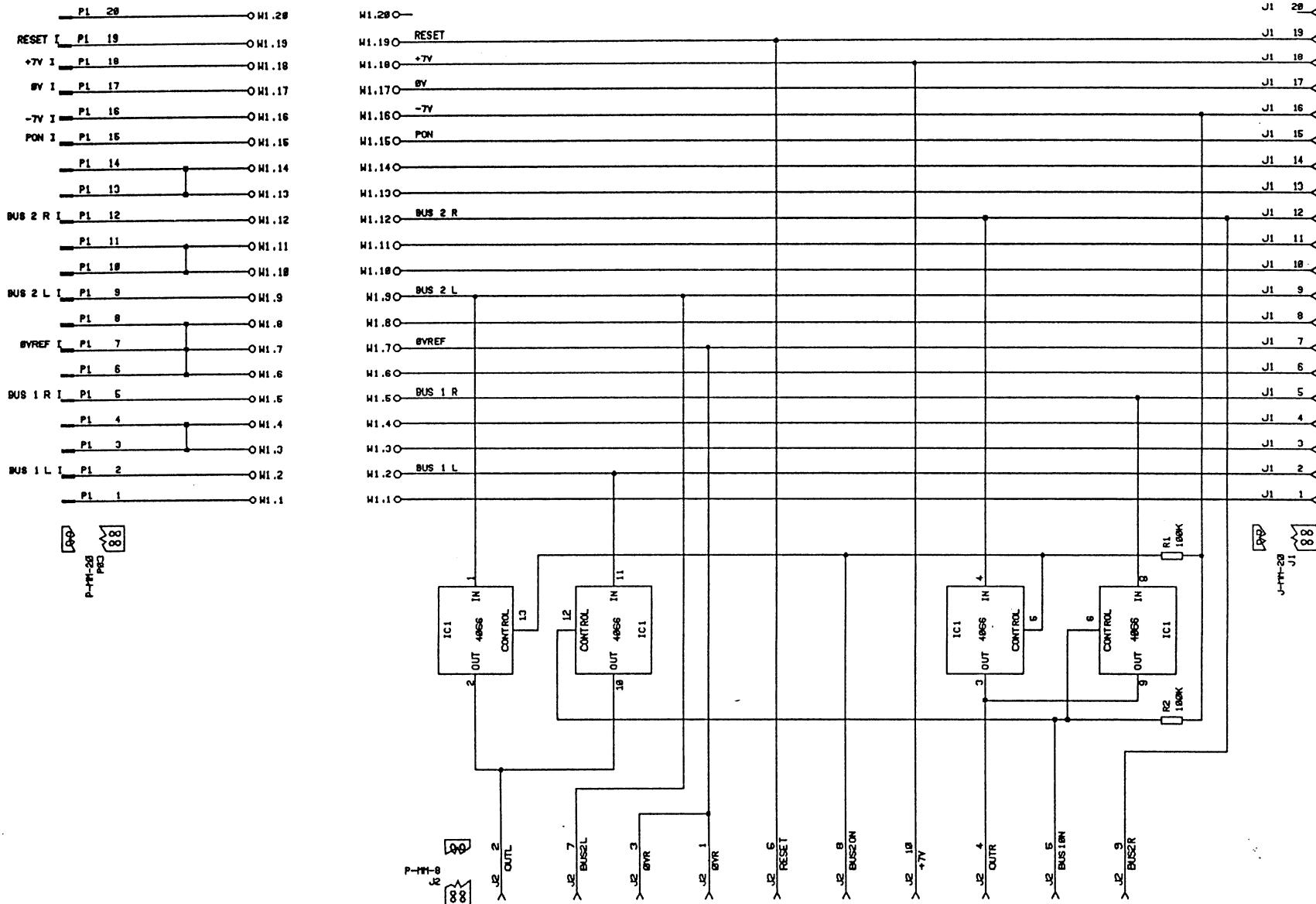
MANUFACTURER: Sie=Siemens, RCA=Radio Corporation Of America, TDK=TDK,

Mot=Motorola, Ph=Philips, NS=National Semiconductors,

Stettner=Stettner, Dam=Dam Electronic, Com=Componex,

Hi= Hirschmann, Del=Delevan,

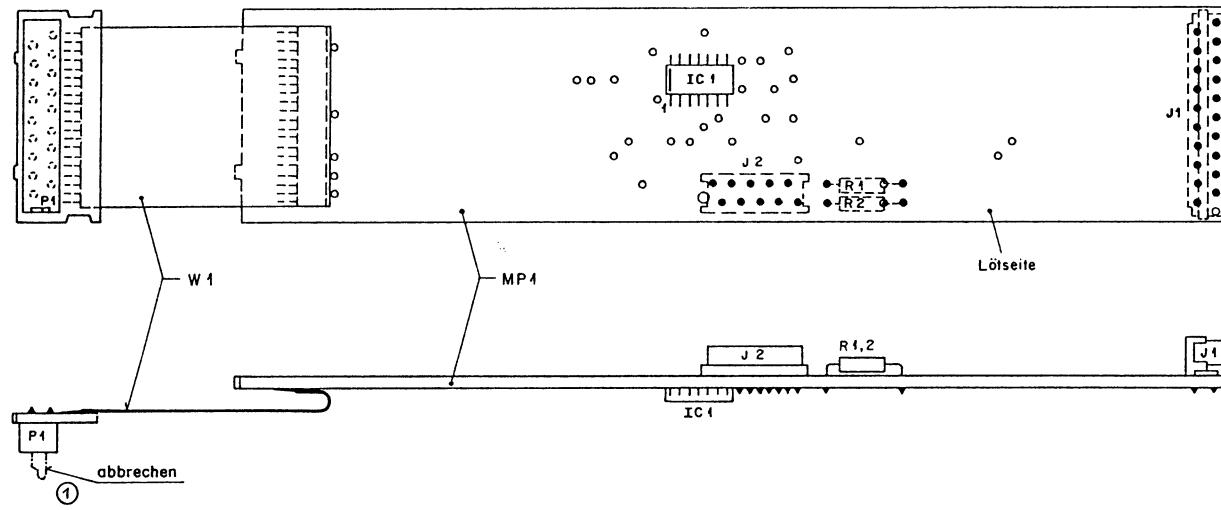
END



S T U D E R		REVOX AUDIO SYSTEMS DEPARTMENT	
DATE	24/02/92	PS	-
CHK.	/ /	-	-
REV.	/ /	-	-
	/ /	-	-
FILE: 766238	24-Jun-92	1,755,230,00	SHEET 1 OF 1

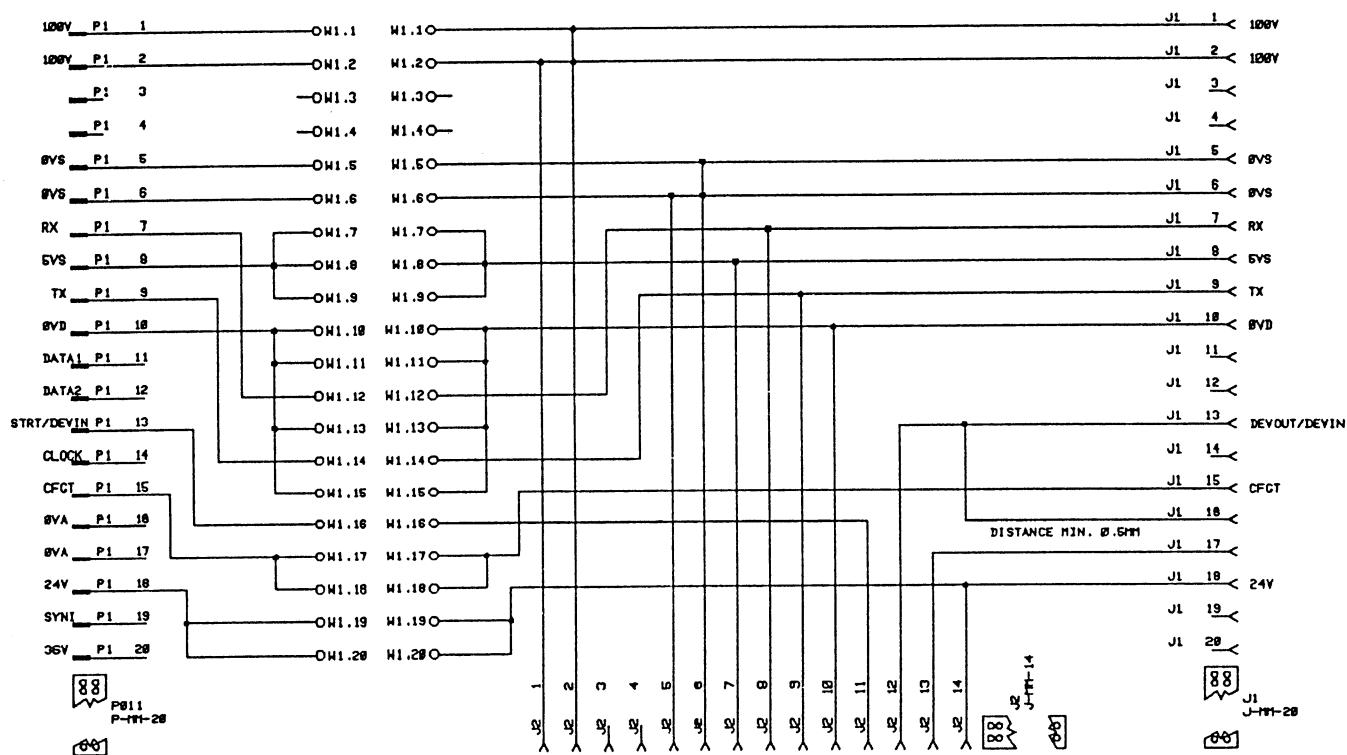
INTERCONNECTION UNIT TOP

MC

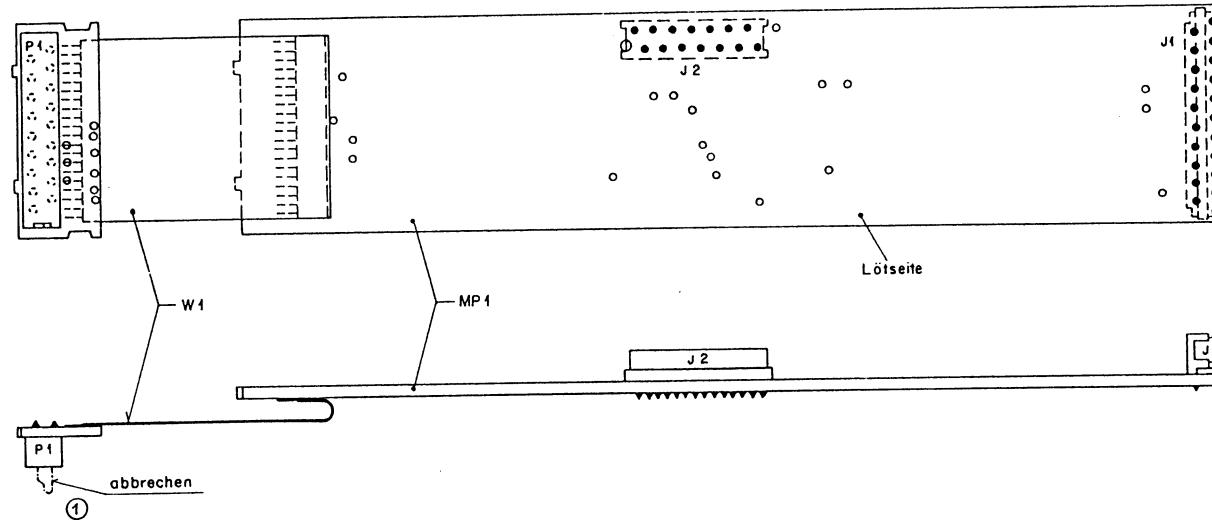


Nr. Etikette / ESE - Warnschild  
nach Fabrikationsmuster aufgeklebt.

Werkstoff:	Norm-Nr.:	Gute:	Ausgabe 29.2.92	Datum Gez. Gepr. Ges. Index	(3)
DIN-Bez.:		Oberfläche:			(2)
Abmessung:		Beh.:			(1)
Zugchongu Unterlagen					
PL		Formmaßtoleranz	Maßstab		(0)
Ersatz für:		Ersetzt durch		Kopie für:	
STUDER REGENSDORF ZÜRICH	Bemerkung:	INTERCONNECTION UNIT TOP	Nummer:	1.755.230-00	



S T U D E R		REVOX AUDIO SYSTEMS DEPARTMENT
DATE	26/02/92	PS
CHK.	/ /	-
REV.	22/04/92	PS
	/ /	-
	/ /	-
FILE: 755248	24-Jun-92	1,755,240.00
		SHEET 1 OF 1



Nr. Etikette  
nach Fabrikationsmuster aufgeklebt.

Verarbeit.	Norm-Nr.:	Gute:	Änderung	③
	DIN-Bez.:	Qualifiz.		②
Abmessung		Beh.		①
Zugehörige Unterlagen:	Freimassstoleranz:	Maßstab:	Ausgabe	⑥
PL	1	2 : 1	Datum	Gez. Gepr. Ges. Index
Ersatz für:	Ersetzt durch:	Kopie für		
STUDER REGENSDORF ZÜRICH	Brennung: <b>INTERCONNECTION UNIT BOTTOM</b>	Nummer:	<b>1.755.240-00</b>	

**I.755.230.00 INTERCONNECTION UNIT TOP**

Ad ..Pos.. ...Ref.No... Description .....  
IC....1 50.62.9066 HEF 4066B T PH  
J.....1 54.14.5540 20-pole Connector Micro Match AMP  
J....2 54.14.5510 10-pole Connector Micro Match AMP  
MP....1 1.755.230.11 INTERCONNECTION TOP PCB ST  
P....1 54.14.5590 20-pole Plug Micro Match AMP  
R....1 57.11.3104 100 k 1%, 0.25W, MF  
R....2 57.11.3104 100 k 1%, 0.25W, MF  
W....1 1.752.230.94 Cable List INTERCONNECTION

PS92/02/1300

Manufacturer: Ph=Philips  
St=Studer  
END

**I.755.240.00 INTERCONNECTION UNIT BOTTOM**

Ad ..Pos.. ...Ref.No... Description .....  
J....1 54.14.5540 20-pole Connector Micro Match  
J....2 54.14.5514 14-pole Connector Micro Match  
MP....1 1.755.240.11 INTERCONNECTION BOTTOM PCB  
01 MP....1 1.755.240.12 INTERCONNECTION BOTTOM PCB  
P....1 54.14.5590 20-pole Plug Micro Match  
W....1 1.752.230.94 Cable List INTERCONNECTION  
PS92/02/1300  
PS92/04/1401

Manufacturer: Ph=Philips, ST=Studer

END

Änderungen und Ergänzungen

Stand 29.10.1997

## **Änderungsmeldung Evolution-Display**

Bei Ausfall des Transfomators T1 müssen nachfolgende Änderungen durchgeführt werden:

Der alte Transfomator T1 mit der Artikelnummer 1.022.648.00 wird nicht mehr verwendet. Ersatz ist der Transformer-Replacement-Kit mit der Bestell-Nr. 1.750.014.00.

Der Umrüstsatz besteht aus:

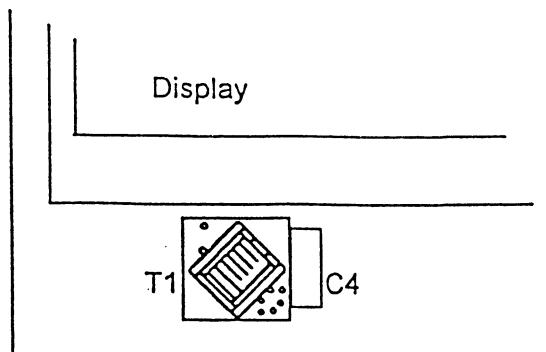
- dem neuen Trafo
- zwei Widerständen 22 kOhm
- ein Kondensator 0,1 µF/ 160 V
- zwei Transistoren BC 639

### Umbauanleitung für den Umrüstsatz 1.750.014.00:

1. Ausbau des Transfomators T1
2. Ausbau des Kondensators C4
3. Ausbau der Transistoren Q1/ Q2
4. Ausbau der Widerstände R2 und R3
5. Durchschneiden der Masseverbindung unter den Transfomator nach beiliegender Skizze
6. Einbau der Transformer Unit
7. Einbau des Kondensators 0,1 µF MPP
8. Einbau der neuen Transistoren Q1/ Q2
9. Einbau der neuen Widerstände R2 und R3

Hinweis: *Der Ausfall des Transfomators T1 verursacht oft auch den Ausfall des Transistors Q33 des Evolution-Verstärkers. Dieser Fehler zeigt sich, indem das Display im Standby-Betrieb nicht mehrganz dunkel geschaltet wird. Bitte bei Display-Reparaturen beachten.*

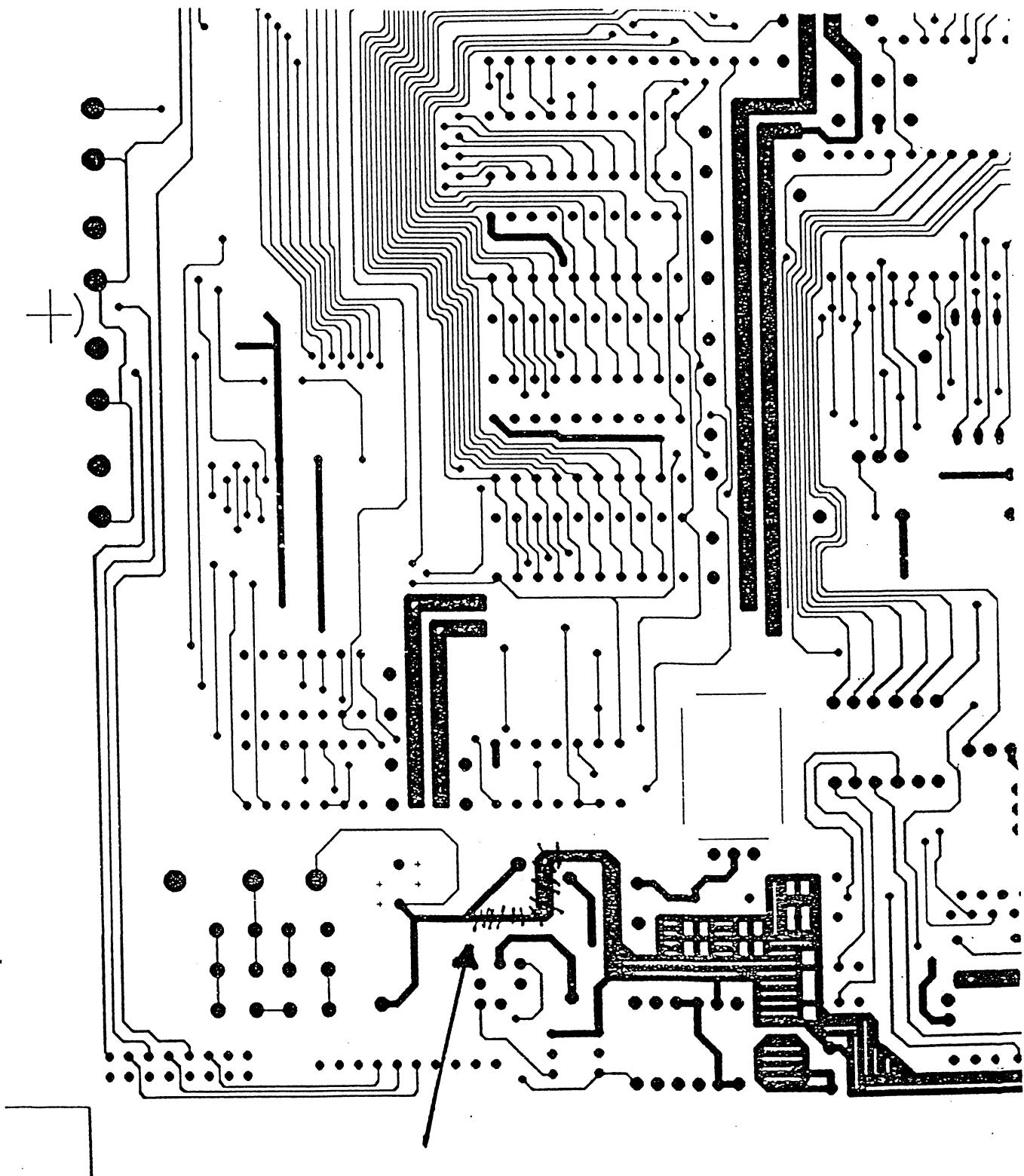
### Einbau-Hinweis der Transformer-Unit:



**REVOX®**

Revox GmbH  
Postfach  
79839 Löffingen  
Obere Hauptstraße 30-32  
79843 Löffingen

REVOX GmbH • Postfach • 79839 Löffingen

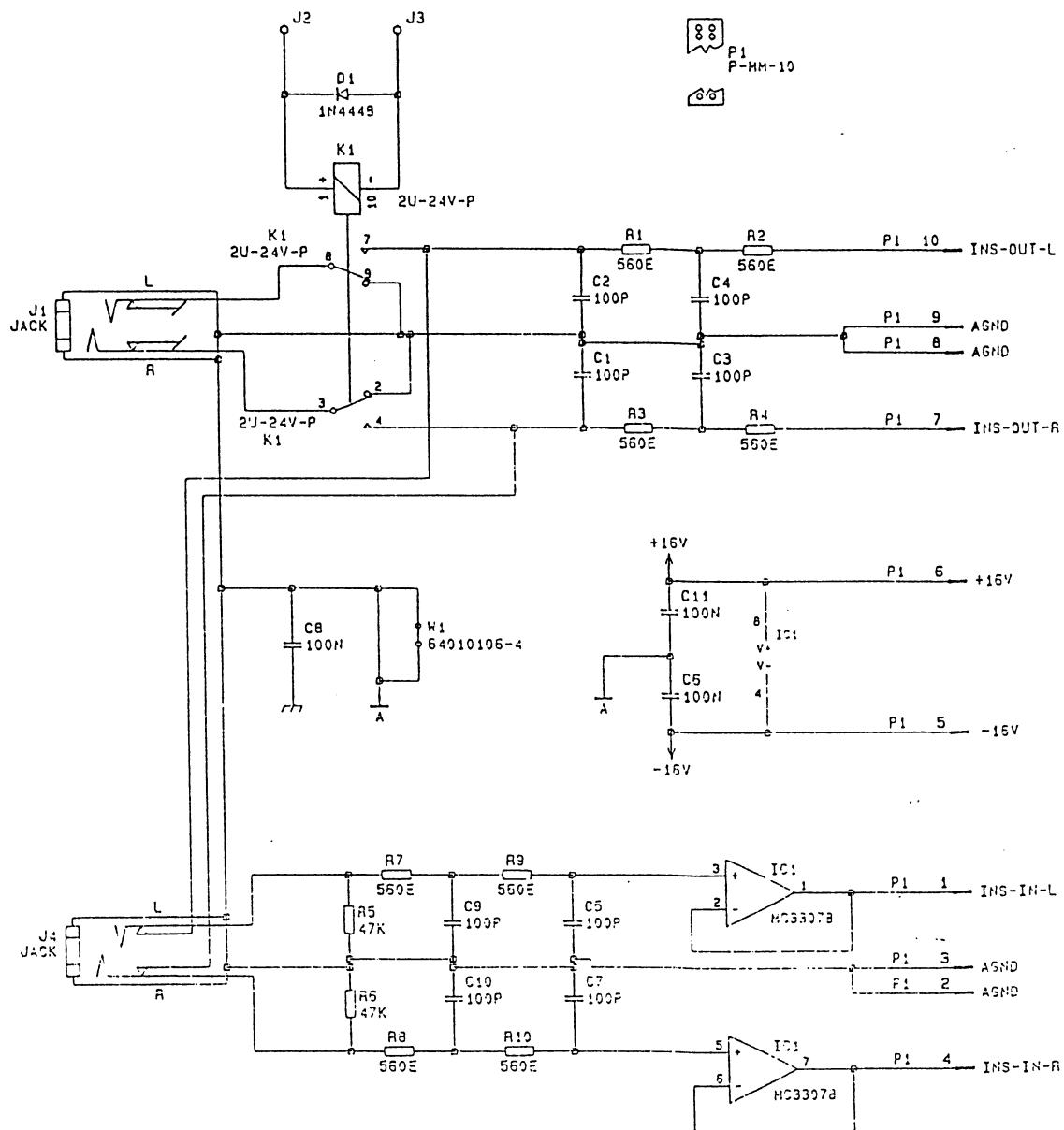


## **Änderung EVO FM-Tuner-Board 1.752.188.22 auf Deemphasis $75\mu\text{S}$**

Für das EVO FM-Tuner-Board mit  $75\mu\text{S}$  Deemphasis sind gegenüber der Originalbestückung 1.752.188.22 nachstehende Bauteile zu ändern:

<b>Pos.Nr.</b>	<b>Artikel Nr.</b>	<b>Bauteilbezeichnung</b>	
IC 1	50.09.0105	NE 5532N	Signetics
C 516	59.05.1472	4700pF	1 %PP
C 517	59.34.4331	330pF	5 %CER
C 519	59.34.4331	330pF	5 %CER
C 520	59.05.1472	4700pF	1 %PP
C xxx	59.34.4101	100pF	5 %CER
C xxx	59.34.4101	100pF	5 %CER parallel zu C 517
R 525	57.11.3623	62k	1 %
R 526	57.11.3623	62k	1 % parallel zu C 519

A | B | C | D | E | F | G | H



0 24/APR/96-SID

E V O L U T I O N - A M P L I F I E R

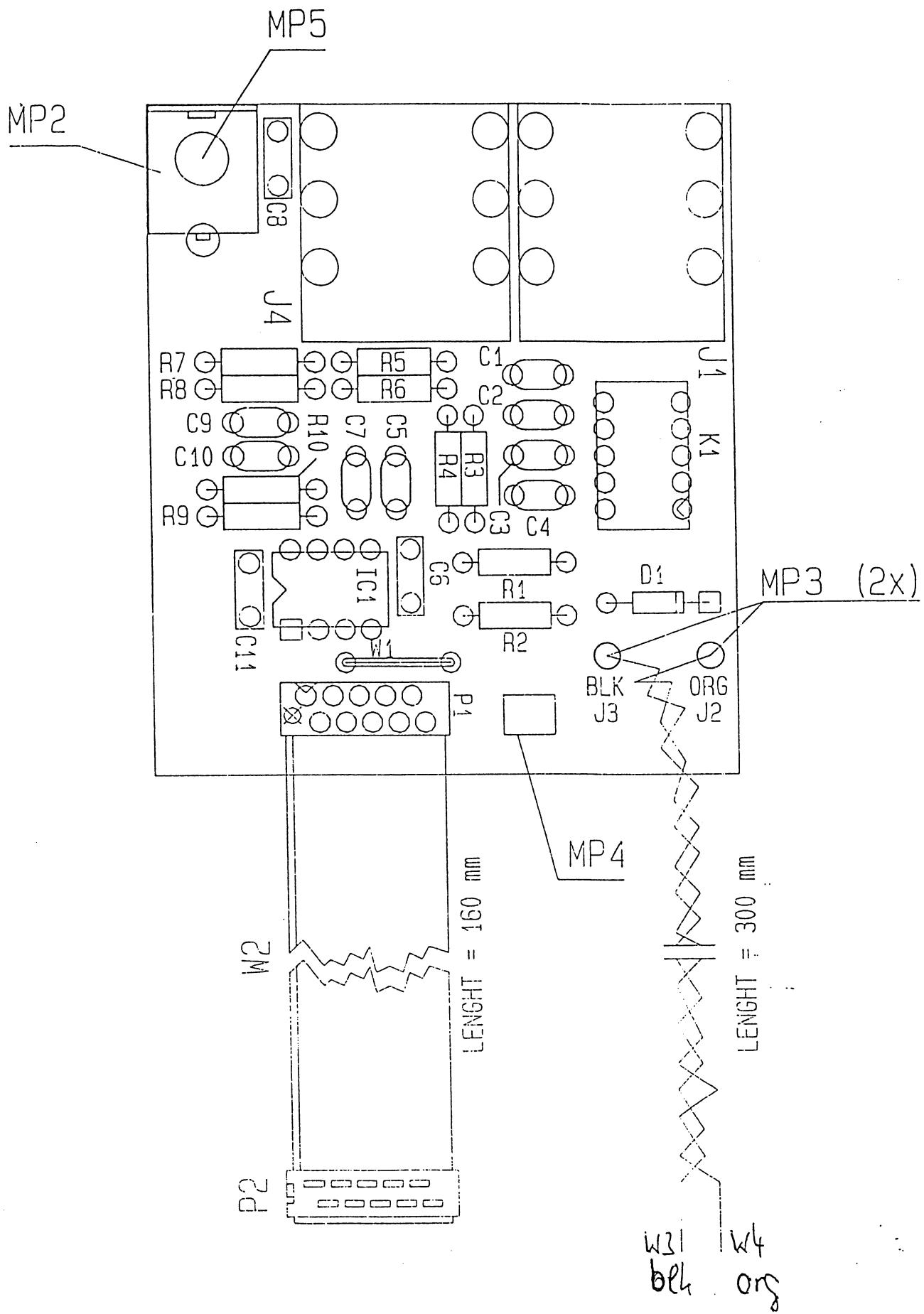
PAGE 1 OF 1

**REVOX**

PRE-OUT / INSERT UNIT

SC 1.751.255-81

A | B | C | D | E | F | G | H



J 24/APR/95 sid							
			EVOLUTION AMPLIFIER D-AMP			PAGE 1 OF 1	
<b>REVOX</b>			PRE-OUT / INSERT UNIT			BP1.751.255-81	
A	B	C	D	E	F	G	H

**Annotated Parts List (Detail)**
**REVOX AG**

<b>Idx.</b>	<b>Pos. No.</b>	<b>Part No. / Index</b>	<b>Qty.</b>	<b>Value/Name</b>	<b>Part Description</b>						
0	C1	59.32.1101 01		100 pF	C-CER	100pF	10%	400V	RM 5	K 2000	
0	C2	59.32.1101 01		100 pF	C-CER	100pF	10%	400V	RM 5	K 2000	
0	C3	59.32.1101 01		100 pF	C-CER	100pF	10%	400V	RM 5	K 2000	
0	C4	59.32.1101 01		100 pF	C-CER	100pF	10%	400V	RM 5	K 2000	
0	C5	59.32.1101 01		100 pF	C-CER	100pF	10%	400V	RM 5	K 2000	
0	C6	59.06.0104 01		100 nF	C-PE	0.1 µF	10%	63V	2.5*7.5* 8.0		
0	C7	59.32.1101 01		100 pF	C-CER	100pF	10%	400V	RM 5	K 2000	
0	C8	59.06.0104 01		100 nF	C-PE	0.1 µF	10%	63V	2.5*7.5* 8.0		
0	C9	59.32.1101 01		100 pF	C-CER	100pF	10%	400V	RM 5	K 2000	
0	C10	59.32.1101 01		100 pF	C-CER	100pF	10%	400V	RM 5	K 2000	
0	C11	59.06.0104 01		100 nF	C-PE	0.1 µF	10%	63V	2.5*7.5* 8.0		
0	D1	50.04.0125 01		1N4448	Diode, silicon, 75 V, 150 mA						
0	IC1	50.09.0117 02		MC33078	Dual Low Noise OpAmp						
2	J1	54.24.0113 01		3-p	Stereo Jack Socket, 6.3mm, PCB horiz. plastic nut						
2	J4	54.24.0113 01		3-p	Stereo Jack Socket, 6.3mm, PCB horiz. plastic nut						
0	K1	56.04.0197 01		24 V	Relay, 2 x U, 24 V, PCB mount						
0	MP1	1.751.255.12 00		Empty PCB	Insert Unit PCB						
1	MP2	1.726.780.01 01	1pce		Mounting Bracket, tin plated						
2	MP3	54.03.0201 01	2pcs	1-p	Snap-to-PCB Connector, for Wire 0.12...0.34 mm2						
2	MP4	43.01.0108 01		Warning Label	ESE-Warning Label, adhesive yellow paper, ø5mm						
2	MP5	28.21.2405 01	1pce	3.0x4.0	Tubular Rivet, DIN 7340 ø=3.0, l=4.0						
0	P1	54.14.5610 01		10-p	Micro-Match Direct Soldering Connector for Flat Cable						
0	P2	54.14.5560 01		10-p	Micro-Match Connector, male, for Flat Cable 1.27mm						
0	R1	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207						
0	R2	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207						
0	R3	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207						
0	R4	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207						
0	R5	57.11.3473 01		47k	R-MF, 47 kOhm, 1%, Tk 50, 0207						
0	R6	57.11.3473 01		47k	R-MF, 47 kOhm, 1%, Tk 50, 0207						
0	R7	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207						
0	R8	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207						
0	R9	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207						
0	R10	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207						
0	W1	64.01.0106 01		D 0.6 mm	Jumper Wire, Sn coated >2 µm						
2	W2	64.03.0213 01	160pcs	10-p	Flat Cable 1.27 mm, AWG 28						
2	W3	64.02.0110 01	300mm	Black	Stranded Wire, AWG 24, 0.22mm²						
<u>Note:</u> W3, W4 twisted											
2	W4	64.02.0113 01	300mm	Orange	Stranded Wire, AWG 24, 0.22mm²						
<u>Note:</u> W3, W4 twisted											

## Annotated Parts List (Detail)

REVOX AG

Idx.	Pos. No.	Part No. / Index	Qty.	Value/Name	Part Description
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End of List

### Comments:

Engineering Change History:

Index 00 (Jan 19 1996):

- Preliminary release for Purchase Dept.

Index 01 (Mar 05 1996):

- MP2 added

Index 02 (Apr 25 1996):

- "Release for manufacturing"
- MP3, MP5, W3, W4 added
- W2 changed to 160mm
- J1, J2 changed from 54240102 to 54240113 (plastic nut)



Creation Date: 19.Jan.1996

Last Change: 24.Apr.1996

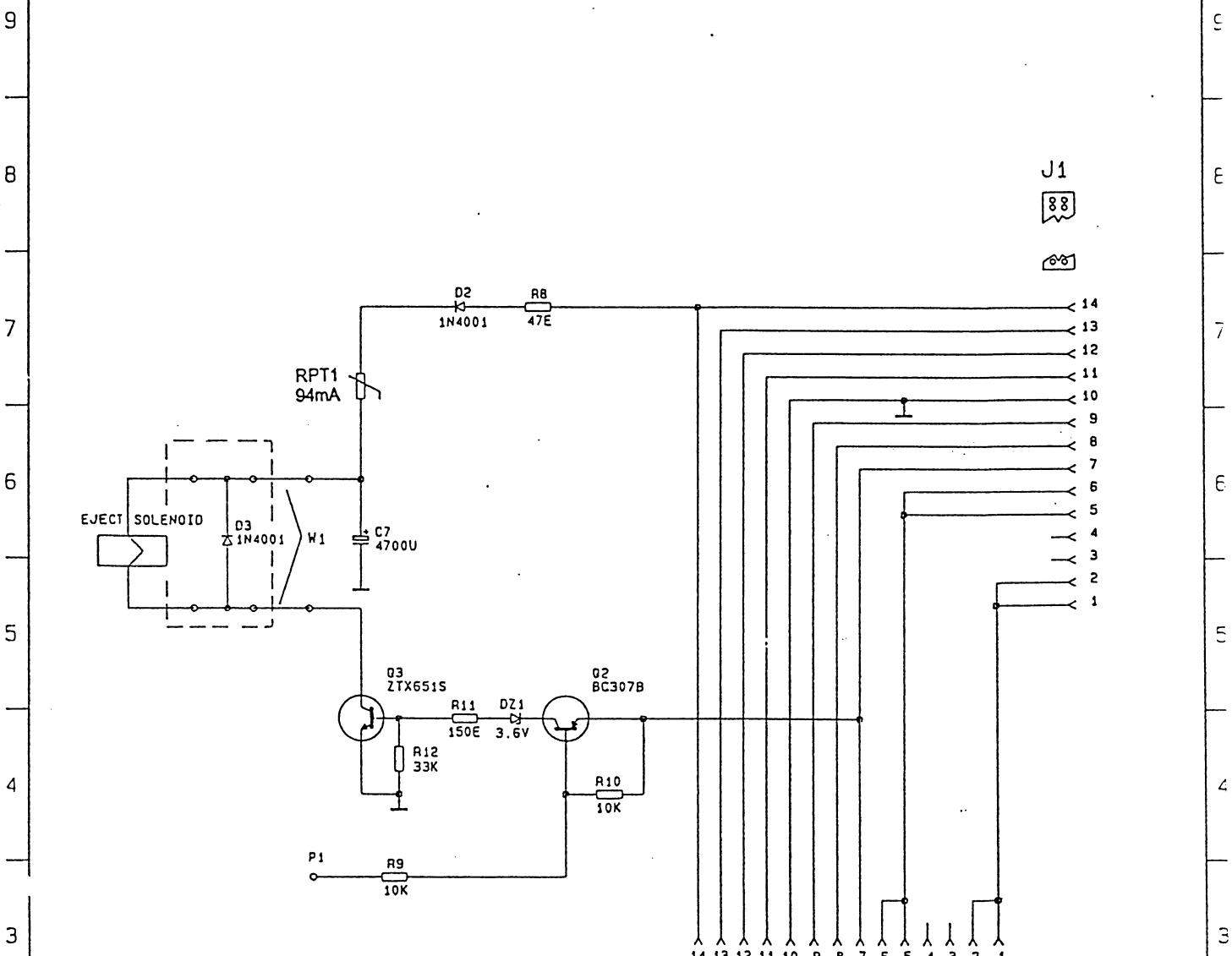
Designer: SID

Page: 2 of 2

Pre-Out / Insert Unit

PL 1.751.255-81 02

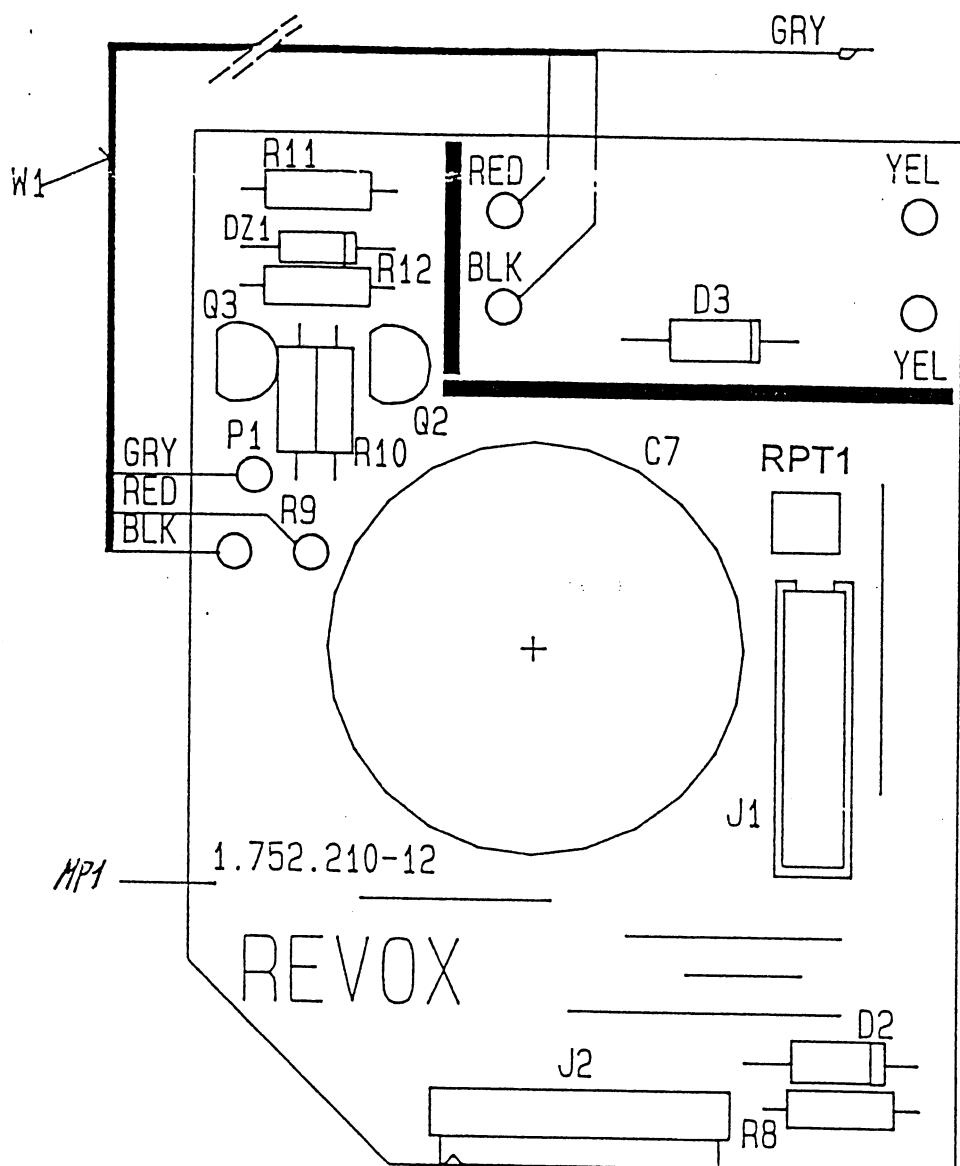
A | B | C | D | E | F | G | H



12. April 1995

0 21.05.92 FAR	1 01.02.94 FAR					PAGE 1 OF 1
CC-TAPE DECK D-SERIE						
REVOX		EJECT CONTROL		SC 1.755.210-00		

A | B | C | D | E | F | G | H



1.06.92 FAR	1 01.02.94 FAR						
CC-TAPE DECK D-SERIE							
REVOX	EJECT CONTROL		BP	1.755.210-00		PAGE 1 OF 1	

B C D E F G H

## Annotated Parts List (Detail)

REVOX AG

Idx.	Pos. No.	Part No. / Index	Qty.	Value/Name	Part Description
0	C7	59.22.6472 01		4700 µF	C-EL 4 700µF 40V 27.5* 48 Teilk 25.5/21.5
0	D2	50.04.0122 01		1N4001	Diode, Silicon
0	D3	50.04.0122 01		1N4001	Diode, Silicon
0	DZ1	50.04.1135 01		3V6	Zener-Diode, 500 mW, 3.6 V, 5.1 * 2.3 mm
0	J1	54.14.5514 01		14-p	Micro-Match Connector, female, 14-pin, PCB mounted
0	J2	54.14.5534 01		14-p	Micro-Match Conn. fem. 14-pin, PCB mount. ang.
1	MP1	1.755.210.12 01	1pcs	Eject PCB	Eject Conteil PCB
0	MP2	43.02.0211 01	1pce	20 x 8 mm	Adhesive Label, paper
0	P1	54.02.0471 01			Steckerstift Typ B
0	P2	54.03.0201 01	5pcs	1-p	Snap-to-PCB Connector, for Wire 0.12...0.34 mm2
0	Q2	50.03.0515 01		BC557B	PNP Bipolar Small Signal Transistor
0	Q3	50.03.0523 01		ZTX 651	NPN Bipolar High Current Transistor
1	R8	57.11.3470 01		47E	R-MF, 47 Ohm, 1%, Tk 50, 0207
0	R9	57.11.3103 01		10k	R-MF, 10 kOhm, 1%, Tk 50, 0207
0	R10	57.11.3103 01		10k	R-MF, 10 kOhm, 1%, Tk 50, 0207
0	R11	57.11.3151 01		150E	R-MF, 150 Ohm, 1%, Tk 50, 0207
0	R12	57.11.3333 01		33k	R-MF, 33 kOhm, 1%, Tk 50, 0207
1	RPT1	57.92.1820 01		94 mA	Poly-PTC, I-nutz= 94 mA, R 25= 50 Ohm
0	W1	1.755.210.93 00	0pce	D-MC	LL EJECT CONTROL
0	W2	64.02.0180 01	500M	Black	Stranded Wire, AWG 26, 0.13mm <sup>2</sup>
0	W3	64.02.0182 01	500M	Red	Stranded Wire, AWG 26, 0.13mm <sup>2</sup>
0	W4	64.01.0106 01	1GR	D 0.6 mm	Jumper Wire, Sn coated >2 µm

End of List

### Comments:

Wire GRY is on the POWER SUPPLY BOARD  
1.755.200-XX.

Index 1 : 1.02.94 MP1 changed to 1.755.210.12  
R8 changed to 47 Ohm 57.11.3470  
RPT1 PTC 94mA 57.92.1820 added



Creation Date: 06.Jul.1992

Last Change: 01.Feb.1994

Designer: SI

Page: 1 of 1

EJECT CONTROL BOARD D-MC

PL

1.755.210-00

01

## Changing advice for Evolution-Display

In case of failure of the transformer T1 the following changes have to be carried out:

The old Transformer T1 item-No. 1.022.648.00 is not to be used any more. The replacement is Transformer-Replacement-Kit with the order-No. 1.750.014.00.

The whole movement complex consists of:

- the new transformer
- two resistors 22kOhm
- one capacitor 0,1 uF/160V
- two transistors BC 639

### Rebuilding instruction for the movement complex:

1. Removal of the Transformer T1
2. Removal of the capacitor C4
3. Removal of the transistors Q1/Q2
4. Removal of the resistors R2 and R3
5. Cutting through the connection of substance below the transformer according to the enclosed sketch
6. Built-in of the transformer-unit
7. Built-in of the capacitor 0,1 uF MPP
8. Built-in of the new transistors Q1/Q2
9. Built-in of the new resistors R2 and R3

Note: The failure of the transformer T1 often causes also the failure of the transistor Q33 of the Evolution-amplifier. This mistake can be recognized when the display during the standby-running is not really dark switched. Please take care by repairing displays.

### Reference to integrate the transformer-unit:

## Änderungsmeldung Evolution-Display

Bei Ausfall des Transformators T1 müssen nachfolgende Änderungen durchgeführt werden:

Der alte Transformator T1 mit der Artikelnummer 1.022.648.00 wird nicht mehr verwendet. Ersatz ist der Transformer-Replacement-Kit mit der Bestell-Nr. 1.750.014.00.

Der Umrüstsatz besteht aus:

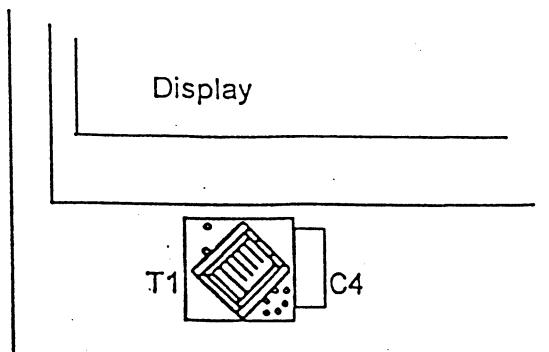
- dem neuen Trafo
- zwei Widerständen 22 kOhm
- ein Kondensator 0,1 µF/ 160 V
- zwei Transistoren BC 639

### Umbauanleitung für den Umrüstsatz 1.750.014.00:

1. Ausbau des Transformators T1
2. Ausbau des Kondensators C4
3. Ausbau der Transistoren Q1/ Q2
4. Ausbau der Widerstände R2 und R3
5. Durchschneiden der Masseverbindung unter den Transformator nach beiliegender Skizze
6. Einbau der Transformer Unit
7. Einbau des Kondensators 0,1 µF MPP
8. Einbau der neuen Transistoren Q1/ Q2
9. Einbau der neuen Widerstände R2 und R3

Hinweis: *Der Ausfall des Transformators T1 verursacht oft auch den Ausfall des Transistors Q33 des Evolution-Verstärkers. Dieser Fehler zeigt sich, indem das Display im Standby-Betrieb nicht mehr ganz dunkel geschaltet wird. Bitte bei Display-Reparaturen beachten.*

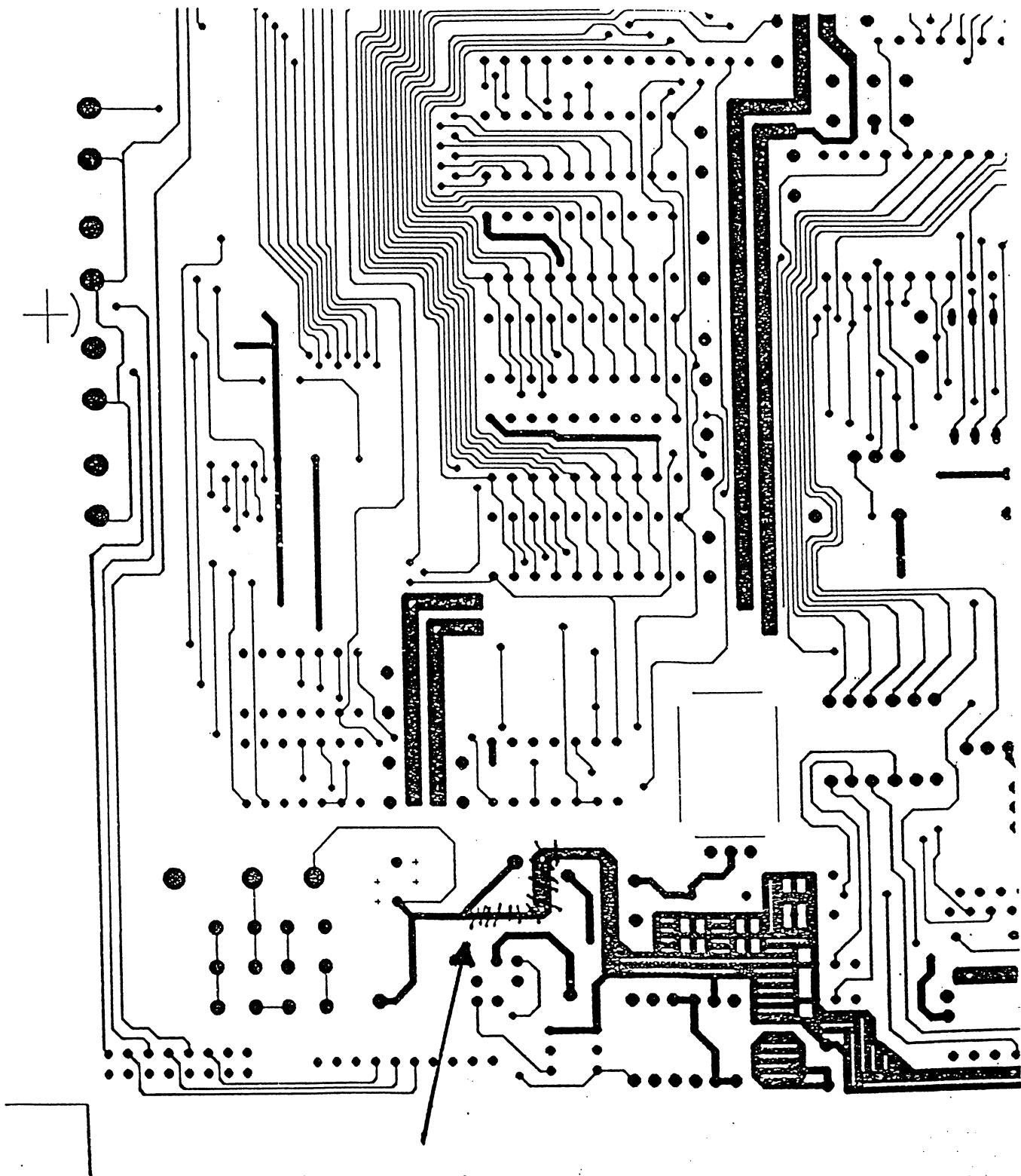
### Einbau-Hinweis der Transformer-Unit:



**REVOX®**

Revox GmbH  
Postfach  
79839 Löffingen  
Obere Hauptstraße 30-32  
79843 Löffingen

REVOX GmbH • Postfach • 79839 Löffingen



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**Annotated Parts List (Detail)**

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**REVOX AG**

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**Idx. Pos. No. Part No. / Index Qty. Value/Name Part Description**

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**End of List**

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**Comments:**

Engineering Change History:

Index 00 (Jan 19 1996):

- Preliminary release for Purchase Dept.

Index 01 (Mar 05 1996):

- MP2 added

Index 02 (Apr 25 1996):

- "Release for manufacturing"
- MP3, MP5, W3, W4 added
- W2 changed to 160mm
- J1, J2 changed from 54240102 to 54240113 (plastic nut)



Creation Date: 19.Jan.1996

Last Change: 24.Apr.1996

Designer: SID

Page: 2 of 2

Pre-Out / Insert Unit

PL 1.751.255-81 02

**Changes EVO FM-Tuner-Board 1.752.188.22 to Deemphasis 75 uS**

For the EVA FM-Tuner-Board with 75 uS Deemphasis have to be changed in opposite to the original mounting 1.752.188.22 the following elements:

<b>Pos.-No.</b>	<b>Item-No.</b>	<b>element-labels</b>
-----------------	-----------------	-----------------------

## **Änderung EVO FM-Tuner-Board 1.752.188.22 auf Deemphasis $75\mu\text{S}$**

Für das EVO FM-Tuner-Board mit  $75\mu\text{S}$  Deemphasis sind gegenüber der Originalbestückung 1.752.188.22 nachstehende Bauteile zu ändern:

<b>Pos.Nr.</b>	<b>Artikel Nr.</b>	<b>Bauteilbezeichnung</b>	
IC 1	50.09.0105	NE 5532N	Signetics
C 516	59.05.1472	4700pF	1%PP
C 517	59.34.4331	330pF	5%CER
C 519	59.34.4331	330pF	5%CER
C 520	59.05.1472	4700pF	1%PP
C xxx	59.34.4101	100pF	5%CER
C xxx	59.34.4101	100pF	5%CER
R 525	57.11.3623	62k	1%
R 526	57.11.3623	62k	1%

## Annotated Parts List (Detail)

REVOX AG

Idx.	Pos. No.	Part No. / Index	Qty.	Value/Name	Part Description
0	C1	59.32.1101 01		100 pF	C-CER 100pF 10% 400V RM 5 K 2000
0	C2	59.32.1101 01		100 pF	C-CER 100pF 10% 400V RM 5 K 2000
0	C3	59.32.1101 01		100 pF	C-CER 100pF 10% 400V RM 5 K 2000
0	C4	59.32.1101 01		100 pF	C-CER 100pF 10% 400V RM 5 K 2000
0	C5	59.32.1101 01		100 pF	C-CER 100pF 10% 400V RM 5 K 2000
0	C6	59.06.0104 01		100 nF	C-PE 0.1 µF 10% 63V 2.5*7.5* 8.0
0	C7	59.32.1101 01		100 pF	C-CER 100pF 10% 400V RM 5 K 2000
0	C8	59.06.0104 01		100 nF	C-PE 0.1 µF 10% 63V 2.5*7.5* 8.0
0	C9	59.32.1101 01		100 pF	C-CER 100pF 10% 400V RM 5 K 2000
0	C10	59.32.1101 01		100 pF	C-CER 100pF 10% 400V RM 5 K 2000
0	C11	59.06.0104 01		100 nF	C-PE 0.1 µF 10% 63V 2.5*7.5* 8.0
0	D1	50.04.0125 01		1N4448	Diode, silicon, 75 V, 150 mA
0	IC1	50.09.0117 02		MC33078	Dual Low Noise OpAmp
2	J1	54.24.0113 01		3-p	Stereo Jack Socket, 6.3mm, PCB horiz. plastic nut
2	J4	54.24.0113 01		3-p	Stereo Jack Socket, 6.3mm, PCB horiz. plastic nut
0	K1	56.04.0197 01		24 V	Relay, 2 x U, 24 V, PCB mount
0	MP1	1.751.255.12 00		Empty PCB	Insert Unit PCB
1	MP2	1.726.780.01 01	1pce		Mounting Bracket, tin plated
2	MP3	54.03.0201 01	2pcs	1-p	Snap-to-PCB Connector, for Wire 0.12...0.34 mm <sup>2</sup>
2	MP4	43.01.0108 01		Warning Label	ESE-Warning Label, adhesive yellow paper, ø5mm
2	MP5	28.21.2405 01	1pce	3.0x4.0	Tubular Rivet, DIN 7340 ø=3.0, l=4.0
0	P1	54.14.5610 01		10-p	Micro-Match Direct Soldering Connector for Flat Cable
0	P2	54.14.5560 01		10-p	Micro-Match Connector, male, for Flat Cable 1.27mm
0	R1	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207
0	R2	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207
0	R3	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207
0	R4	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207
0	R5	57.11.3473 01		47k	R-MF, 47 kOhm, 1%, Tk 50, 0207
0	R6	57.11.3473 01		47k	R-MF, 47 kOhm, 1%, Tk 50, 0207
0	R7	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207
0	R8	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207
0	R9	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207
0	R10	57.11.3561 01		560E	R-MF, 560 Ohm, 1%, Tk 50, 0207
0	W1	64.01.0106 01		D 0.6 mm	Jumper Wire, Sn coated >2 µm
2	W2	64.03.0213 01	160pcs	10-p	Flat Cable 1.27 mm, AWG 28
2	W3	64.02.0110 01	300mm	Black	Stranded Wire, AWG 24, 0.22mm <sup>2</sup>
2	W4	64.02.0113 01	300mm	Orange	Stranded Wire, AWG 24, 0.22mm <sup>2</sup>

Note: W3, W4 twisted

Note: W3, W4 twisted



Creation Date: 19.Jan.1996

Last Change: 24.Apr.1996

Designer: SID

Page: 1 of 2

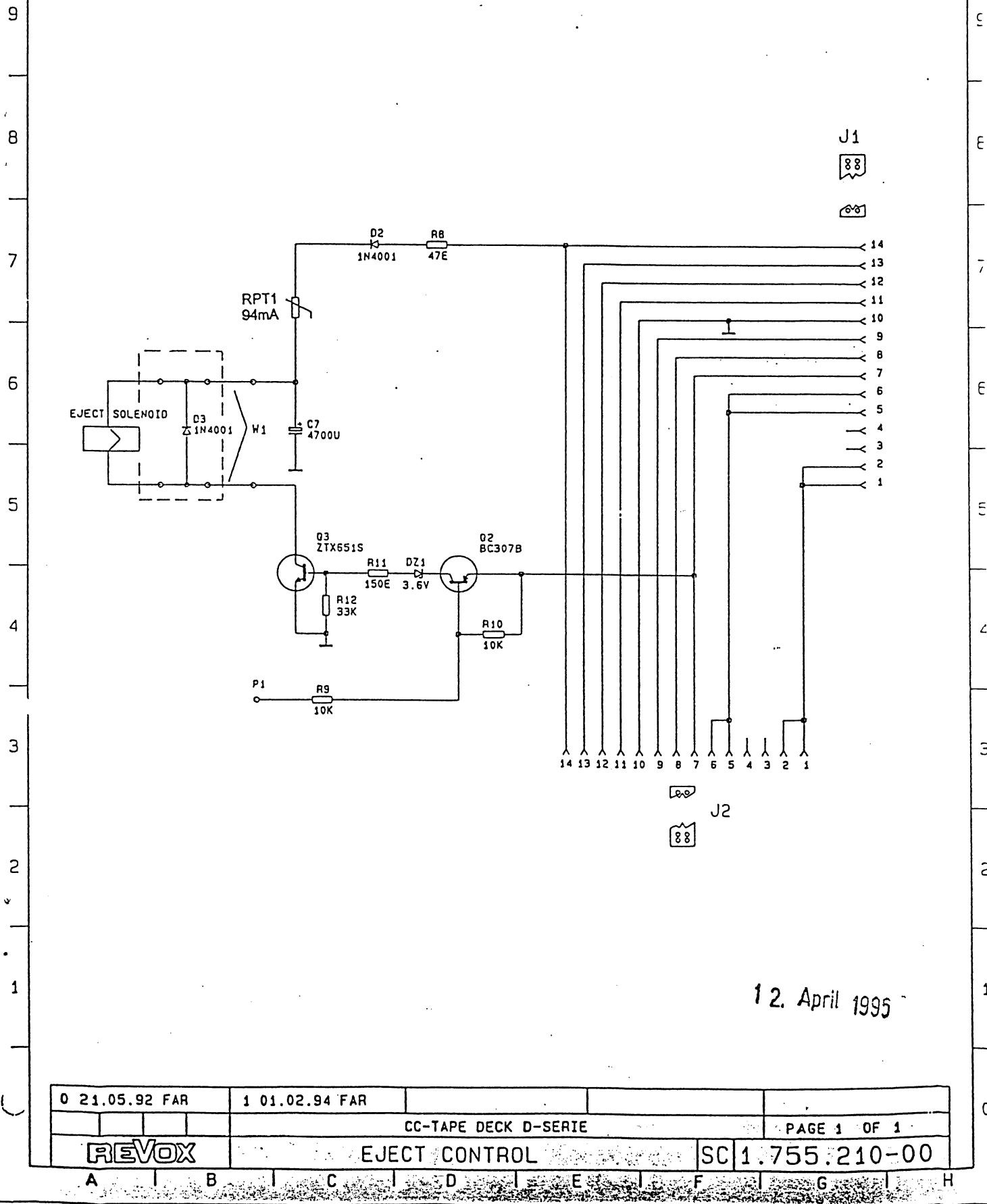
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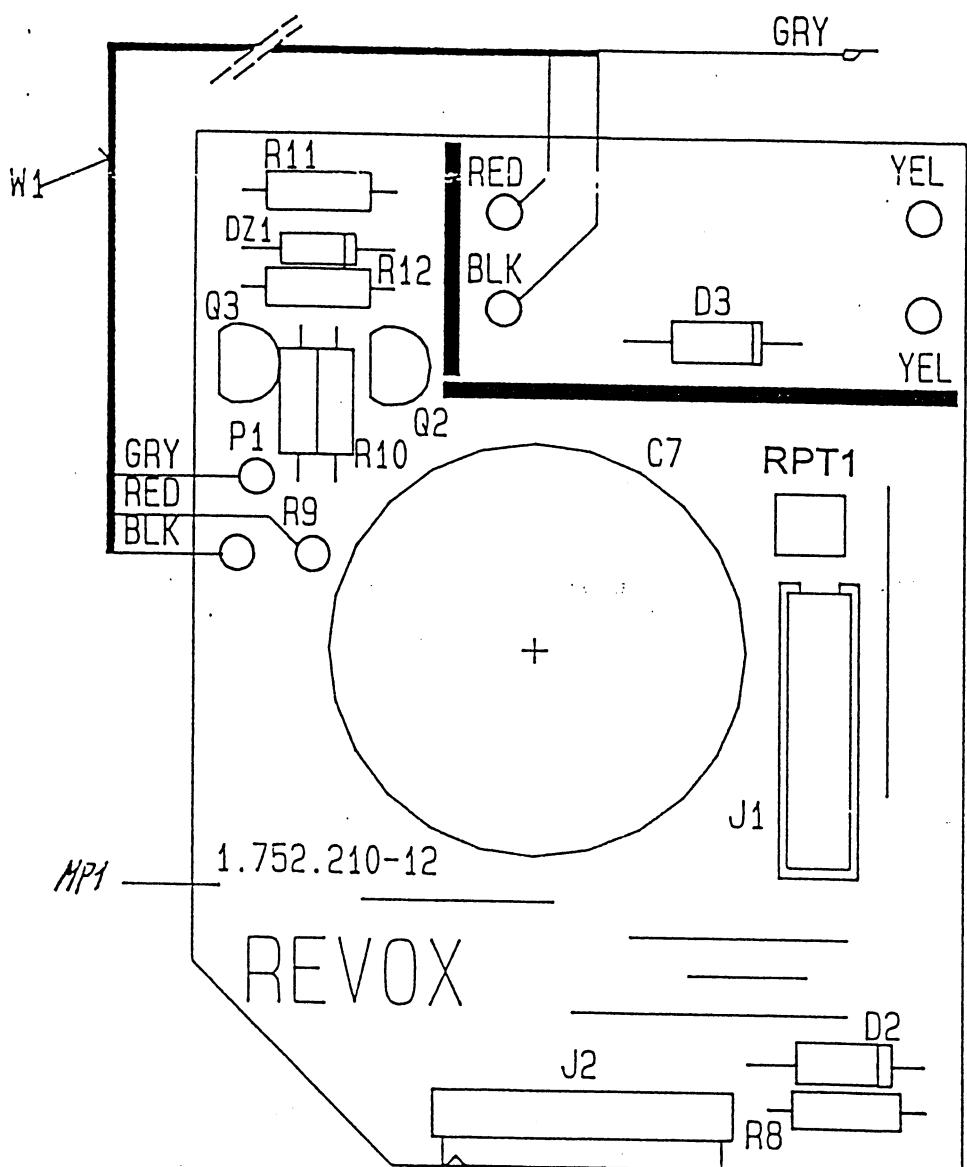
PL

1.751.255-81

02

A | B | C | D | E | F | G | H





1.06.92 FAR	1 01.02.94 FAR			
		CC-TAPE DECK D-SERIE		PAGE 1 OF 1
REVOX	EJECT CONTROL	BP	1.755.210-00	
B	C	D	E	F
G	H			

## Annotated Parts List (Detail)

REVOX AG

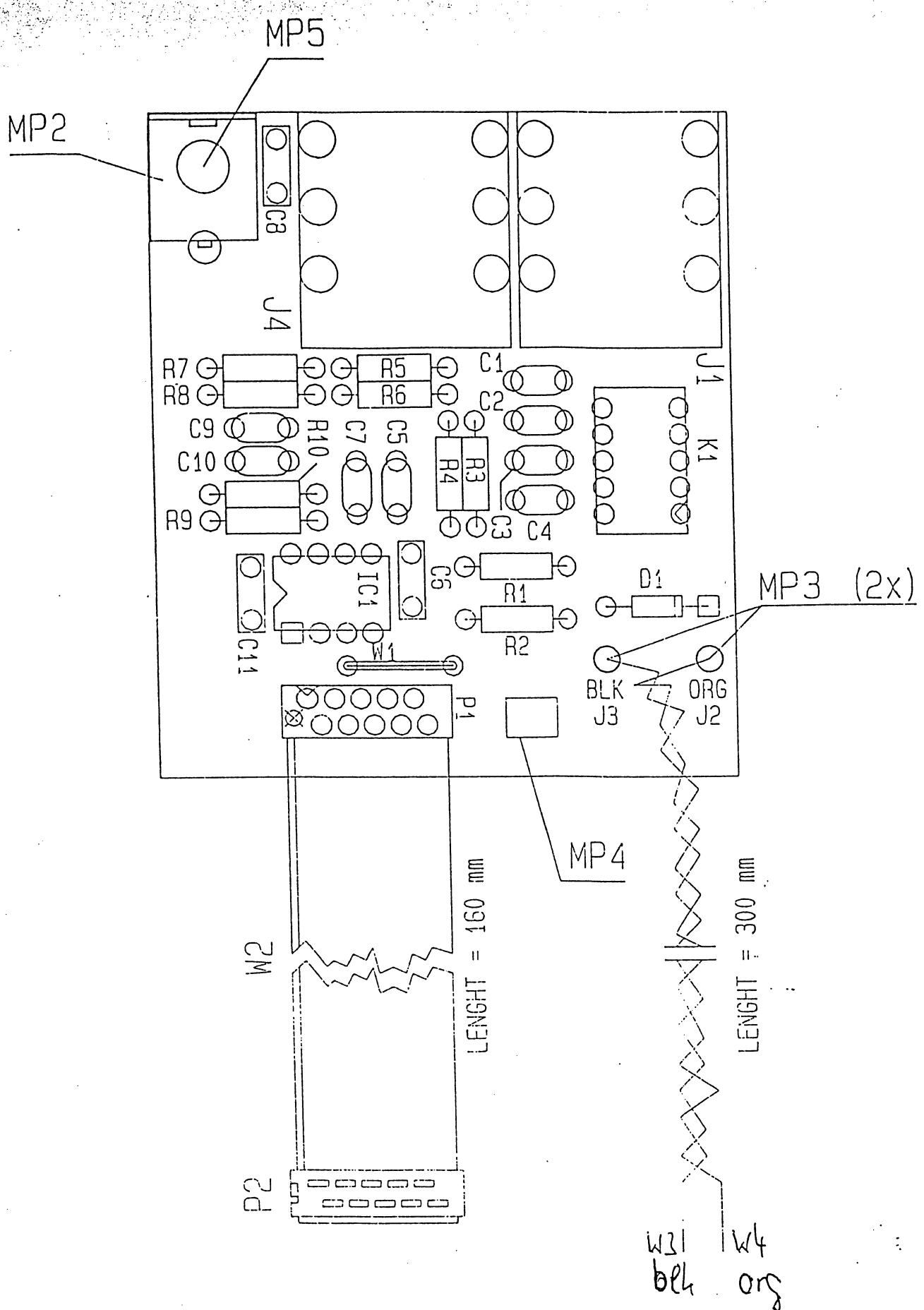
Idx.	Pos. No.	Part No. / Index	Qty.	Value/Name	Part Description
0	C7	59.22.6472 01		4700 µF	C-EL 4 700µF 40V 27.5* 48 Teilk 25.5/21.5
0	D2	50.04.0122 01		1N4001	Diode, Silicon
0	D3	50.04.0122 01		1N4001	Diode, Silicon
0	DZ1	50.04.1135 01		3V6	Zener-Diode, 500 mW, 3.6 V, 5.1 * 2.3 mm
0	J1	54.14.5514 01		14-p	Micro-Match Connector, female, 14-pin, PCB mounted
0	J2	54.14.5534 01		14-p	Micro-Match Conn. fem. 14-pin, PCB mount. ang.
1	MP1	1.755.210.12 01	1pcs	Eject PCB	Eject Conteil PCB
0	MP2	43.02.0211 01	1pce	20 x 8 mm	Adhesive Label, paper
0	P1	54.02.0471 01			Steckerstift Typ B
0	P2	54.03.0201 01	5pcs	1-p	Snap-to-PCB Connector, for Wire 0.12...0.34 mm <sup>2</sup>
0	Q2	50.03.0515 01		BC557B	PNP Bipolar Small Signal Transistor
0	Q3	50.03.0523 01		ZTX 651	NPN Bipolar High Current Transistor
1	R8	57.11.3470 01		47E	R-MF, 47 Ohm, 1%, Tk 50, 0207
0	R9	57.11.3103 01		10k	R-MF, 10 kOhm, 1%, Tk 50, 0207
0	R10	57.11.3103 01		10k	R-MF, 10 kOhm, 1%, Tk 50, 0207
0	R11	57.11.3151 01		150E	R-MF, 150 Ohm, 1%, Tk 50, 0207
0	R12	57.11.3333 01		33k	R-MF, 33 kOhm, 1%, Tk 50, 0207
1	RPT1	57.92.1820 01		94 mA	Poly-PTC, I-nutz= 94 mA, R 25= 50 Ohm
0	W1	1.755.210.93 00	0pce	D-MC	LL EJECT CONTROL
0	W2	64.02.0180 01	500M	Black	Stranded Wire, AWG 26, 0.13mm <sup>2</sup>
0	W3	64.02.0182 01	500M	Red	Stranded Wire, AWG 26, 0.13mm <sup>2</sup>
0	W4	64.01.0106 01	1GR	D 0.6 mm	Jumper Wire, Sn coated >2 µm

End of List

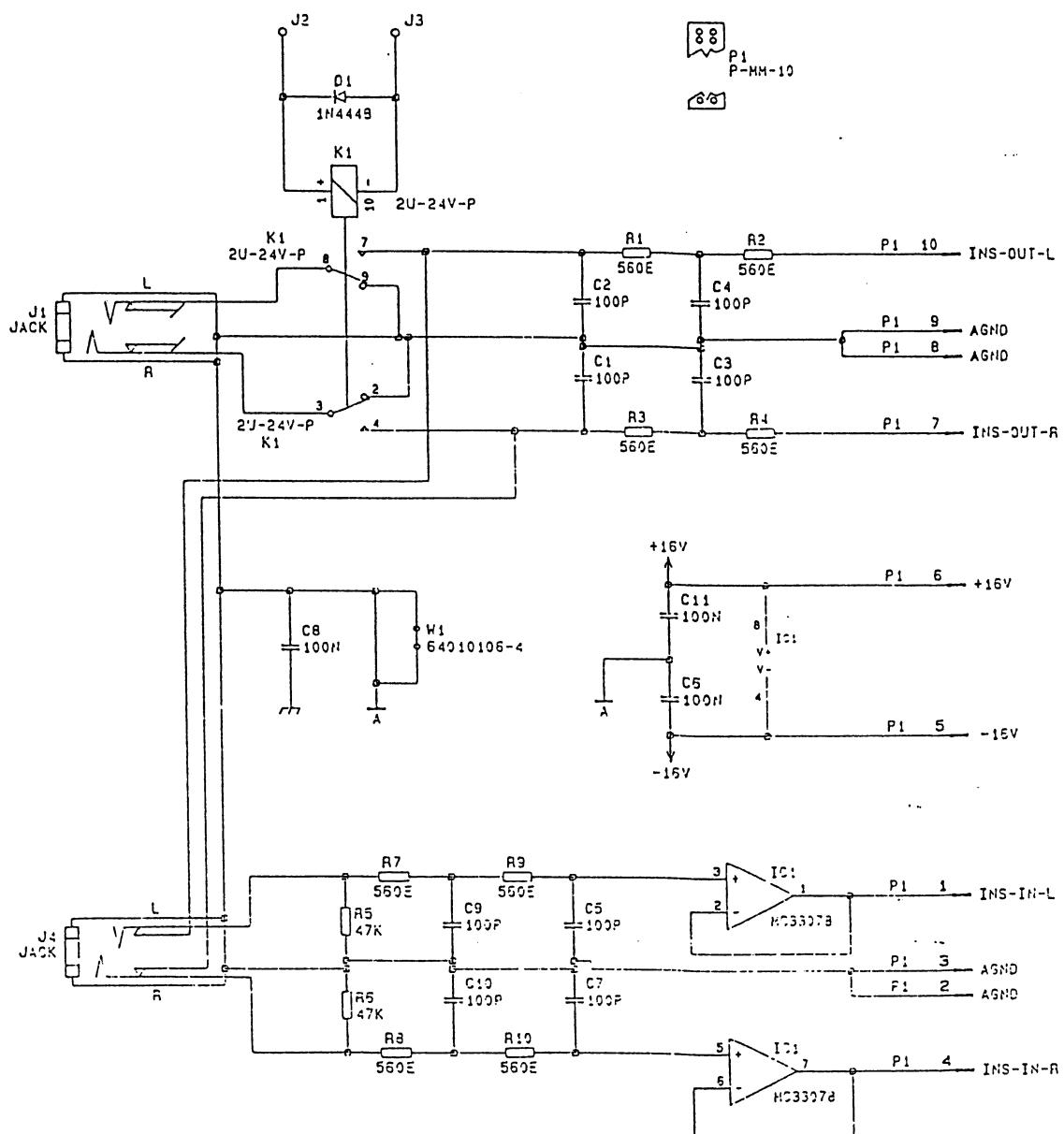
### Comments:

Wire GRY is on the POWER SUPPLY BOARD  
1.755.200-XX.

Index 1 : 1.02.94 MP1 changed to 1.755.210.12  
R8 changed to 47 Ohm 57.11.3470  
RPT1 PTC 94mA 57.92.1820 added

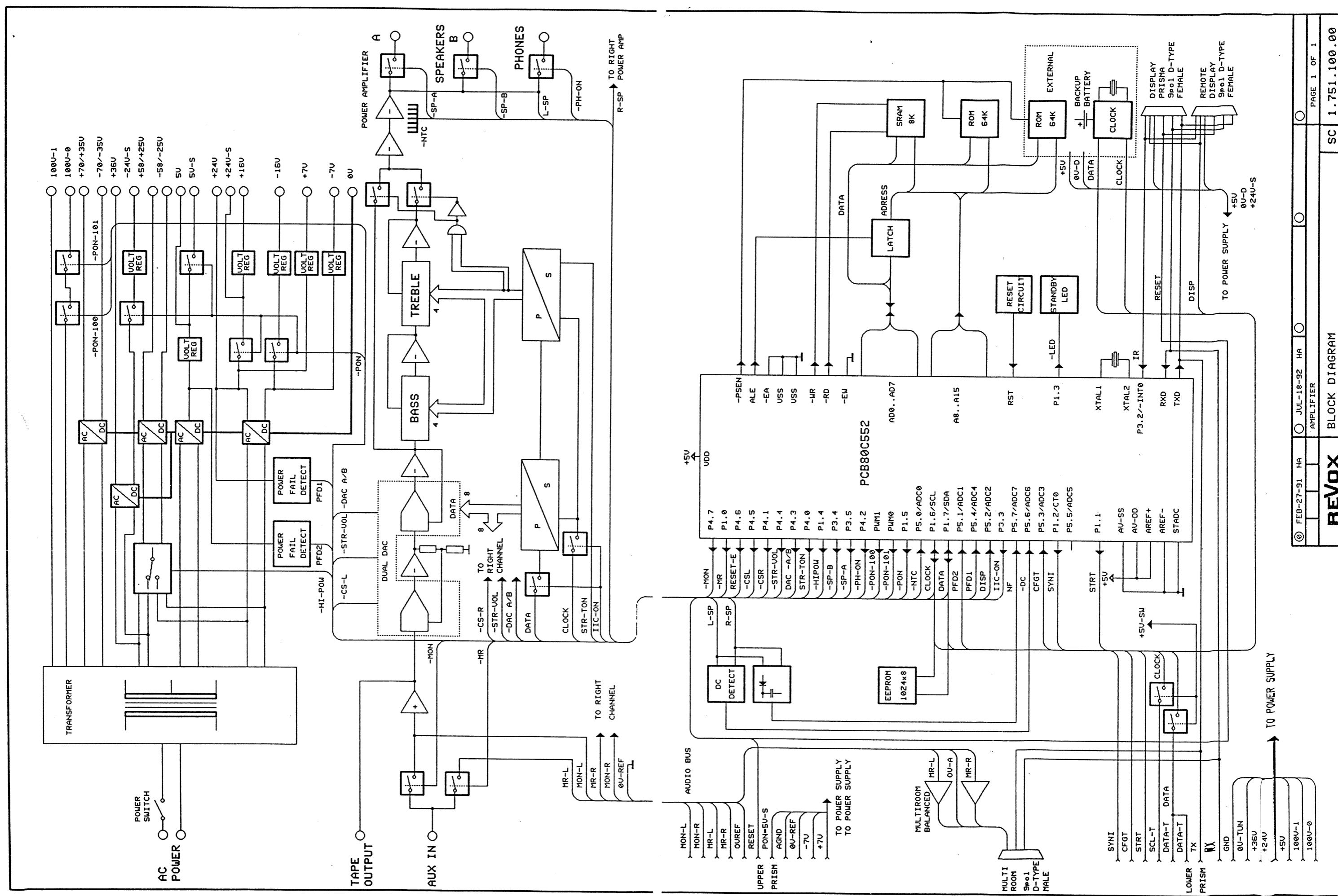


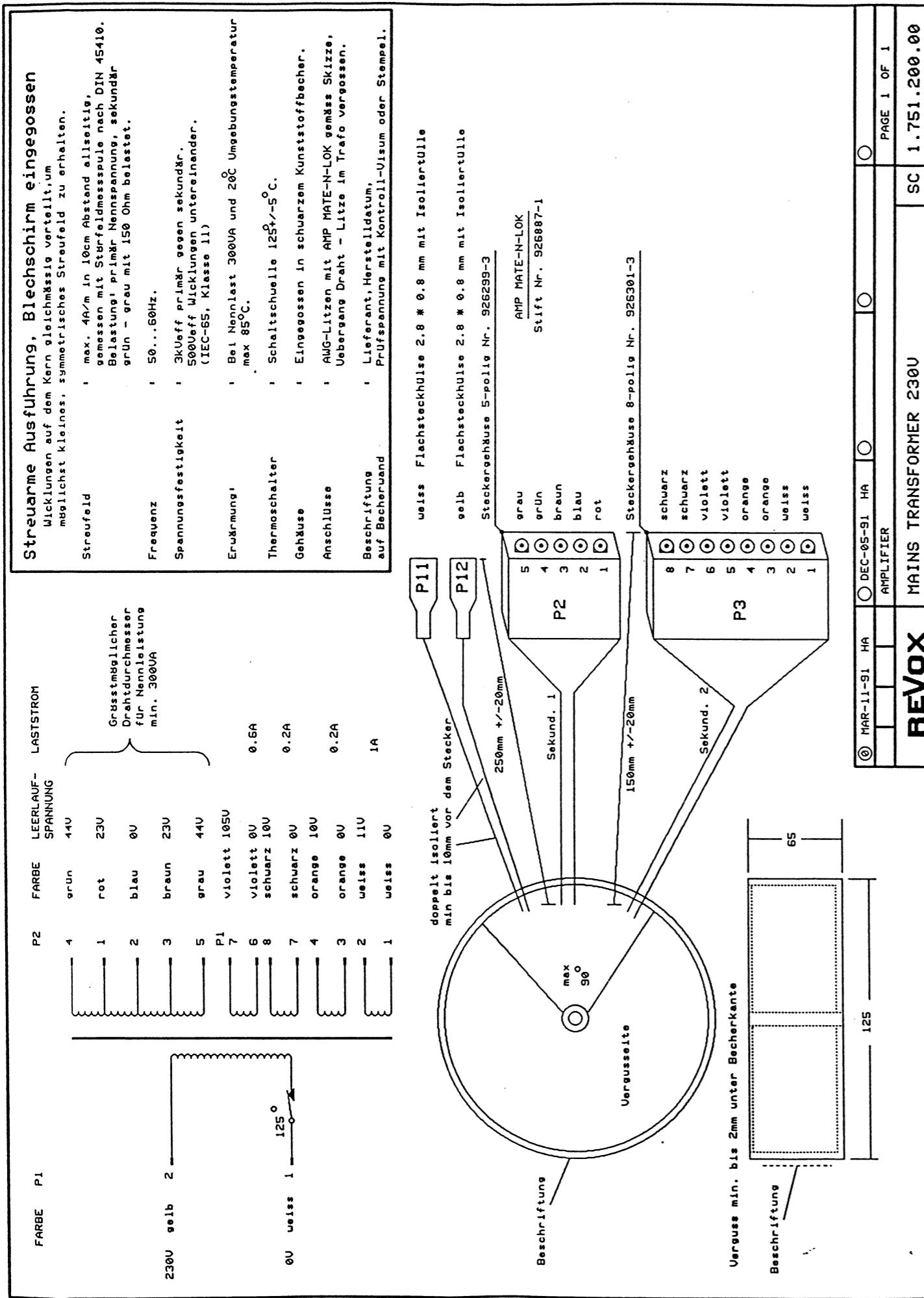
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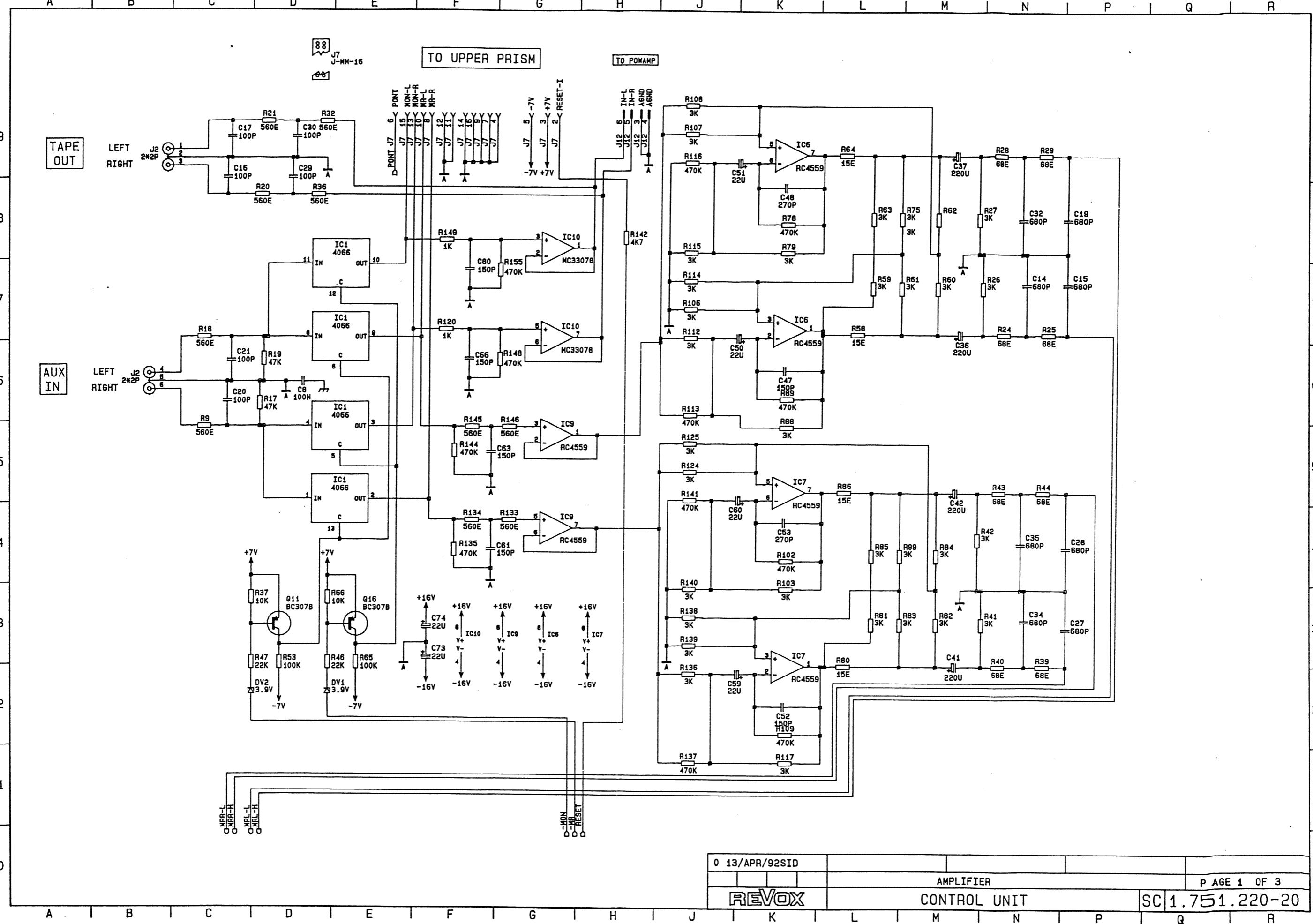


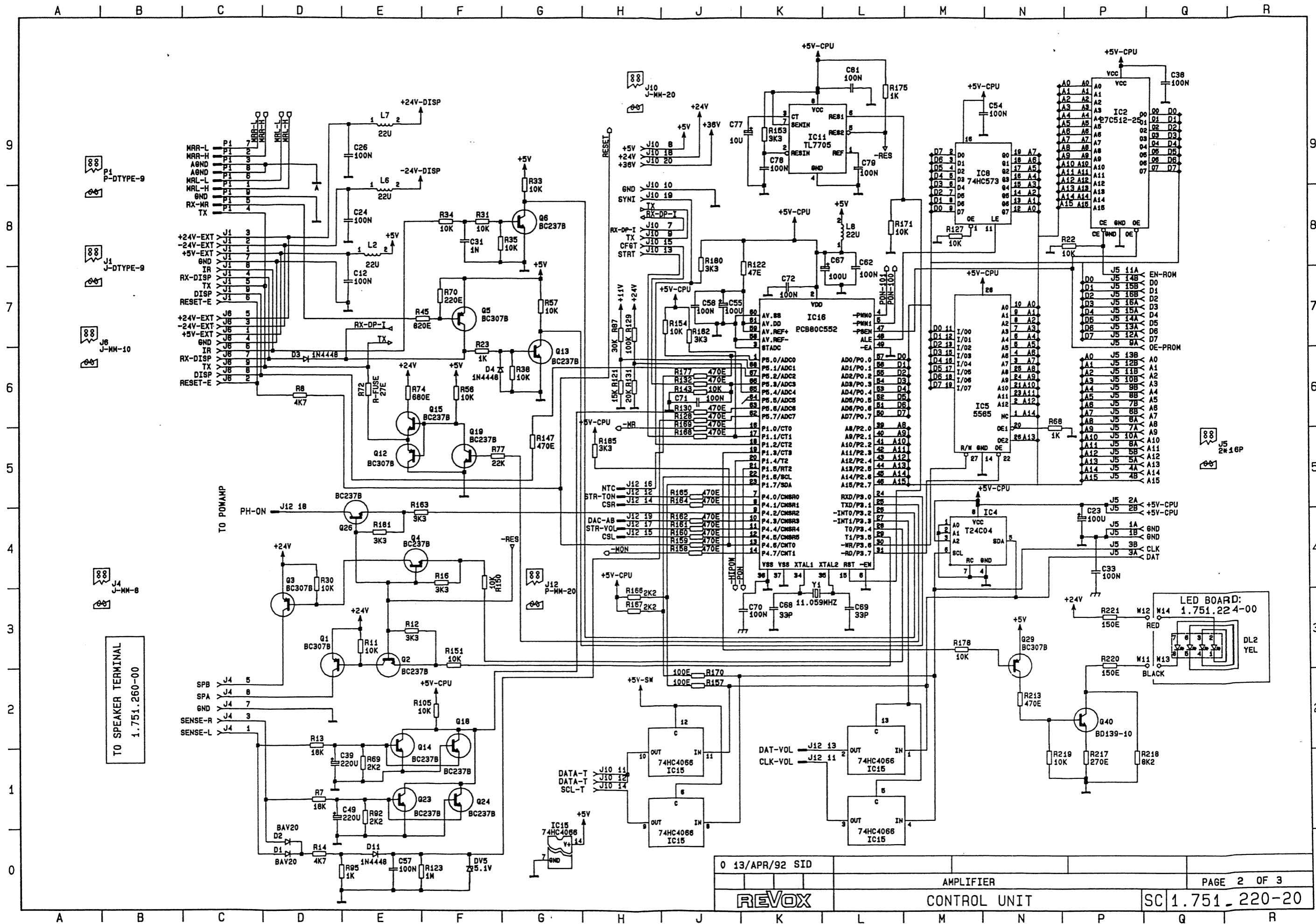
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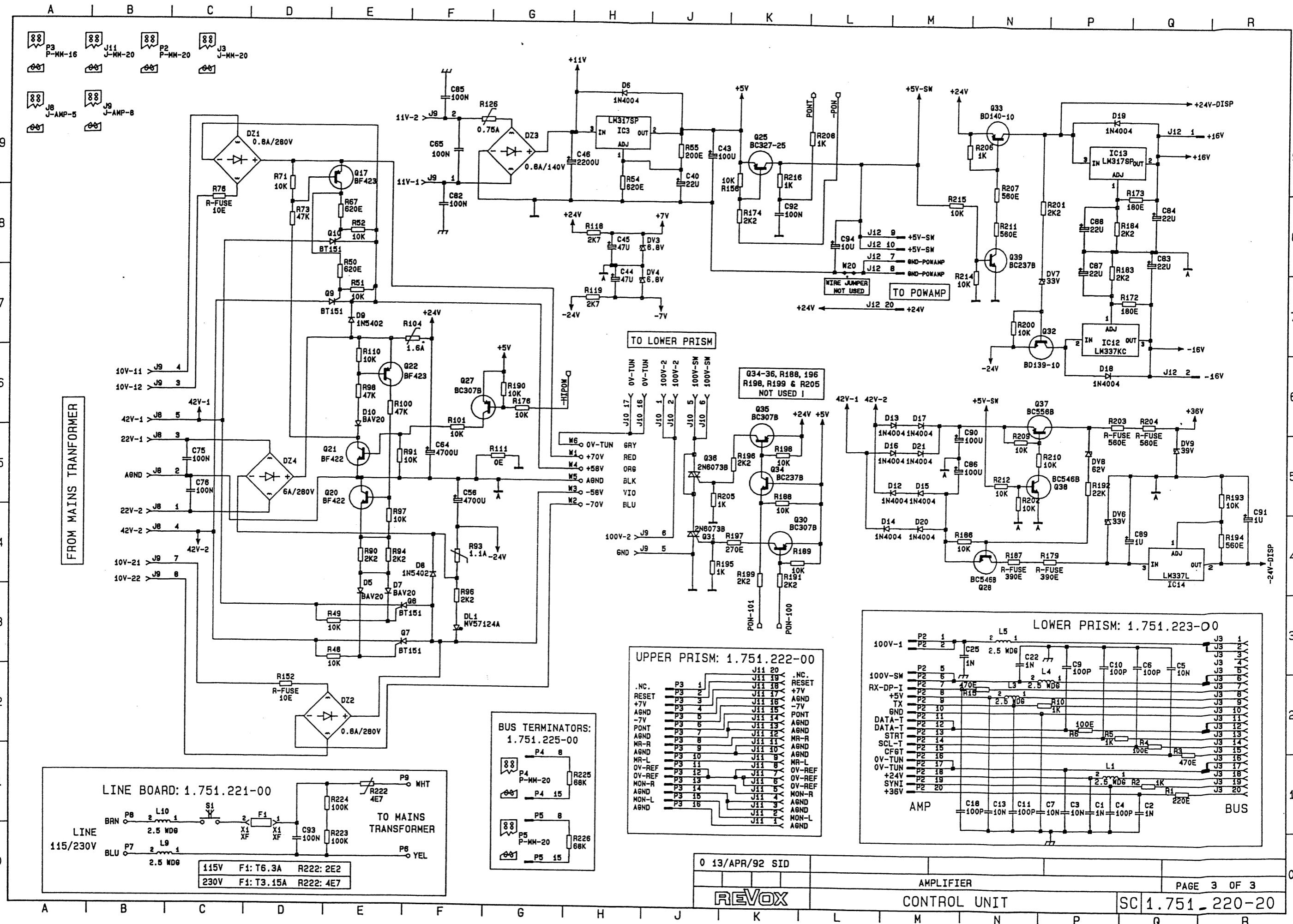


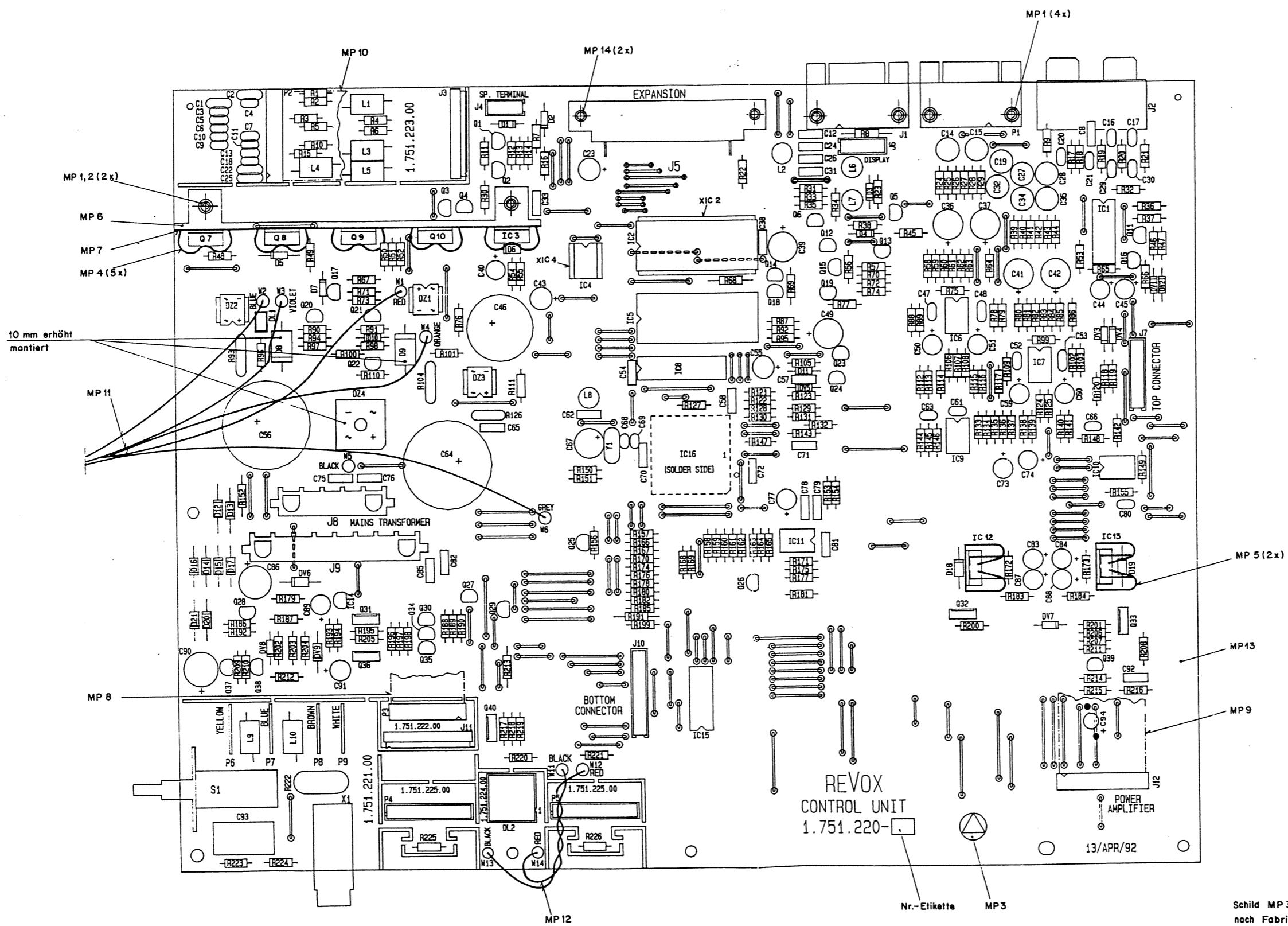




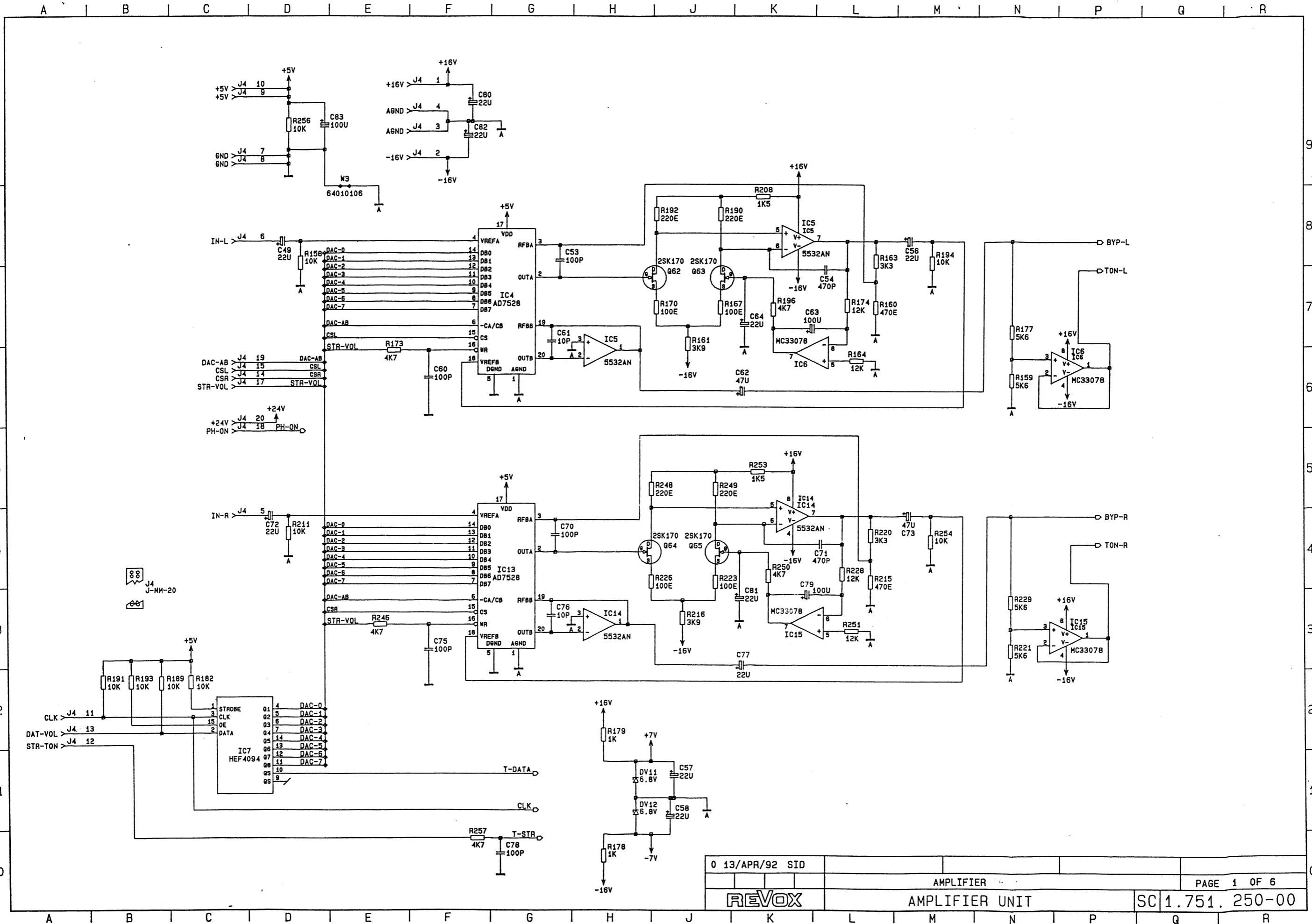




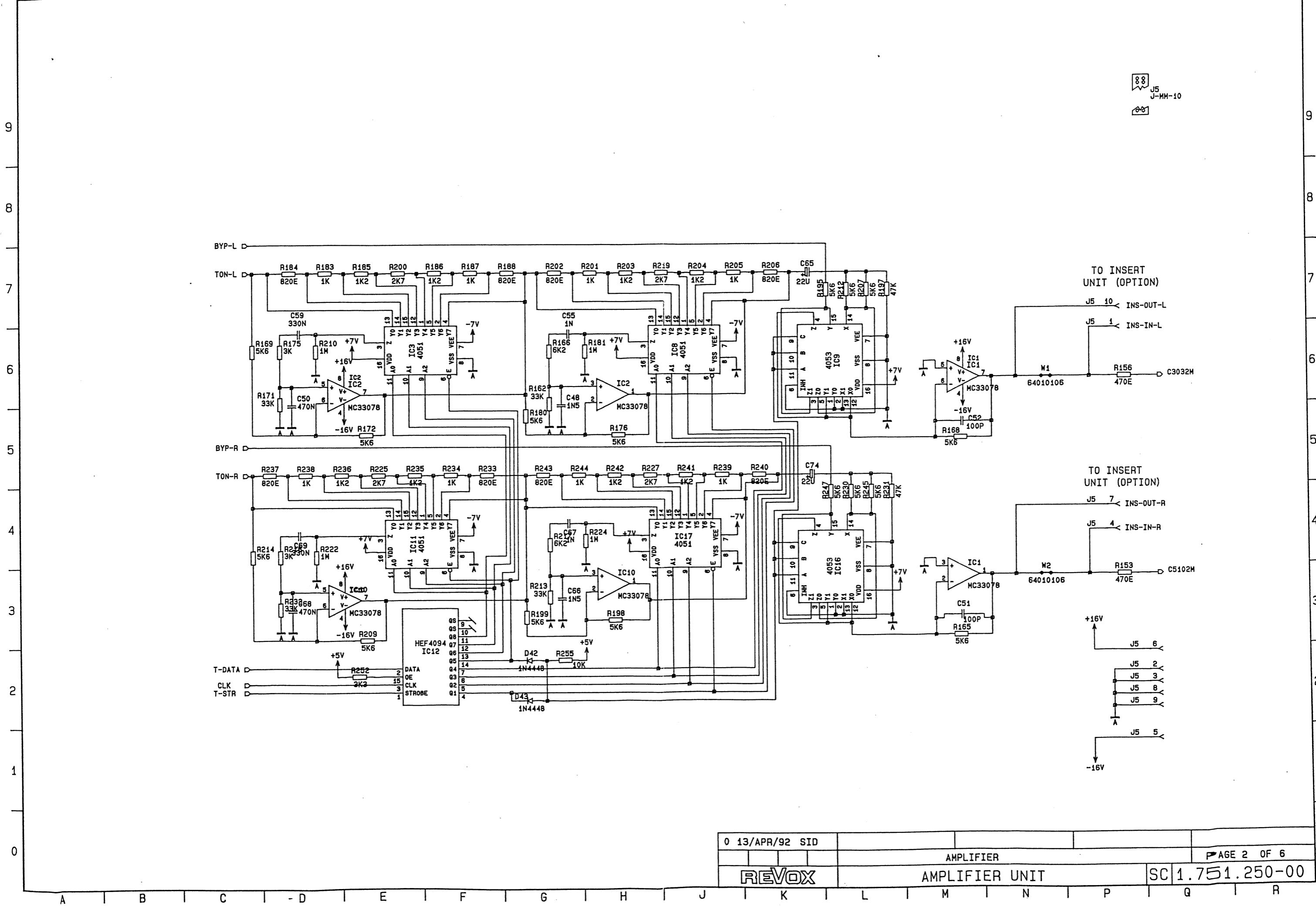




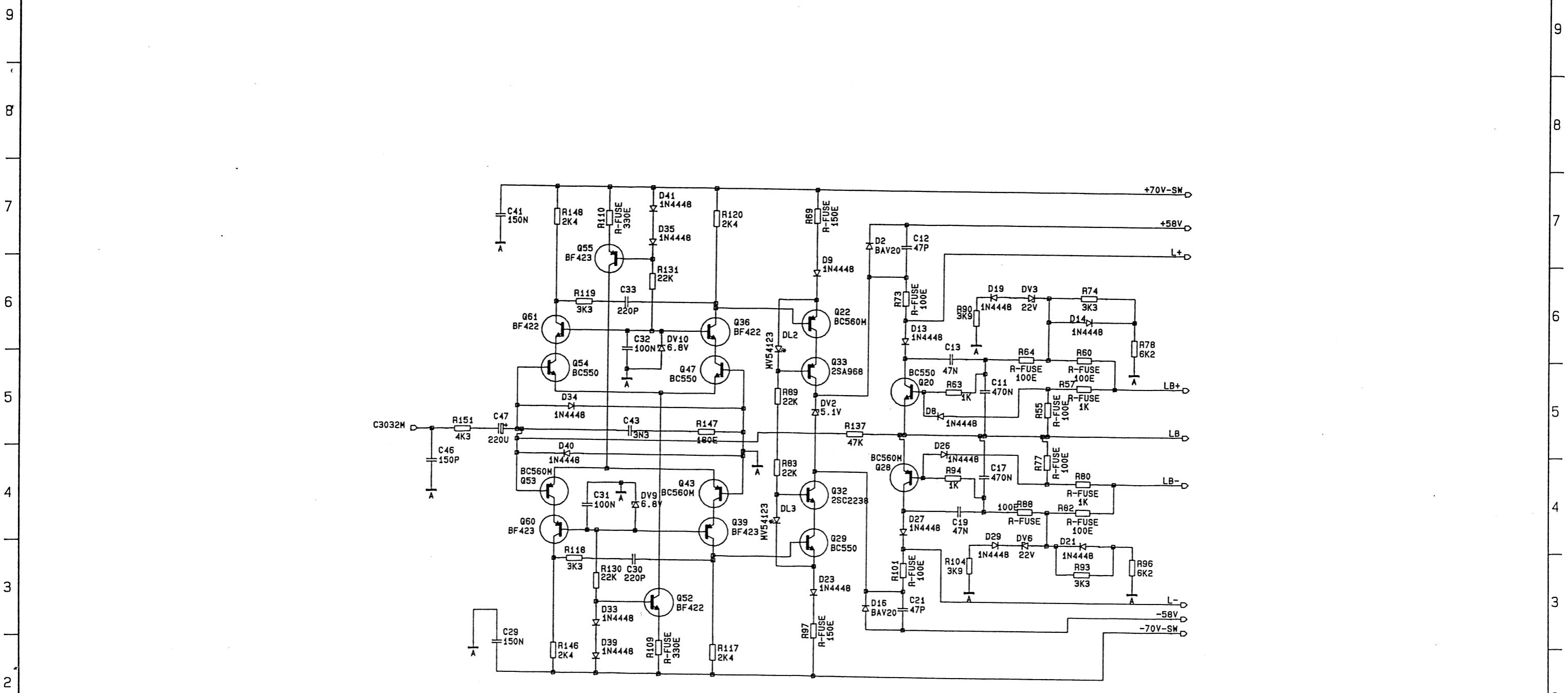
Schild MP 3 aufgeklebt nach Fabrikationsmuster		Anleitung: 7.7.92 23.4.92	
Werkstatt Norm-Nr.: DIN-Bez.: Abmessung:	Güte: Qualitativ Beh.:	Zugehörige Unterlagen: PL	Maßstab: Fremmaßtoleranz: $\pm$ 1,5 : 1 Datum Gepr.; Gepl. Index
		Ausgabe: 29.2.92	
Ersetzt für: Ersetzt durch: Kopie Nr.:			
STUDIER REGENS DORF ZURICH		Bemerkung: CONTROL UNIT ESE	
		Nummer: 1.751.220-20	



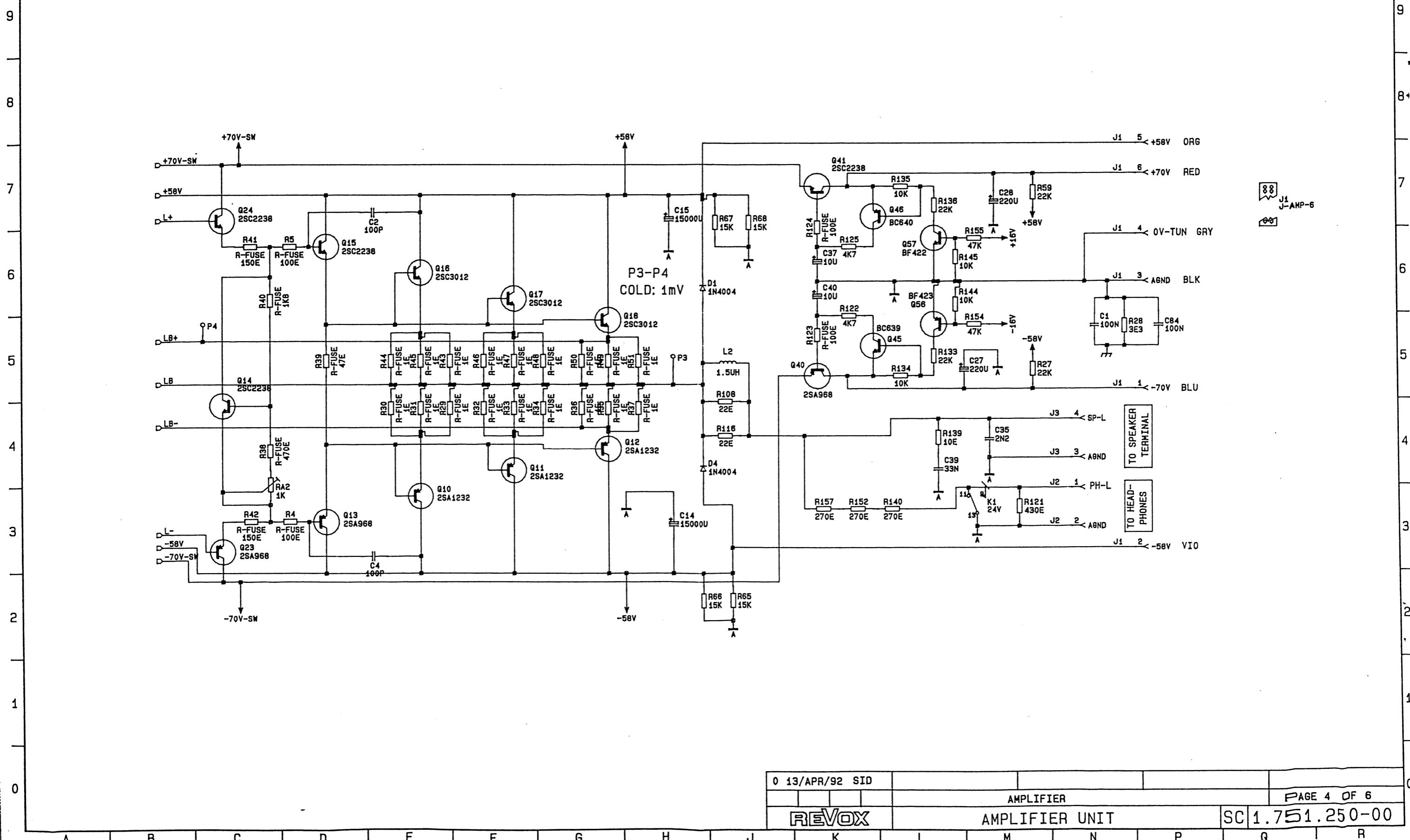
A | B | C | D | E | F | G | H | I | J | K | L | M | N | P | Q | R

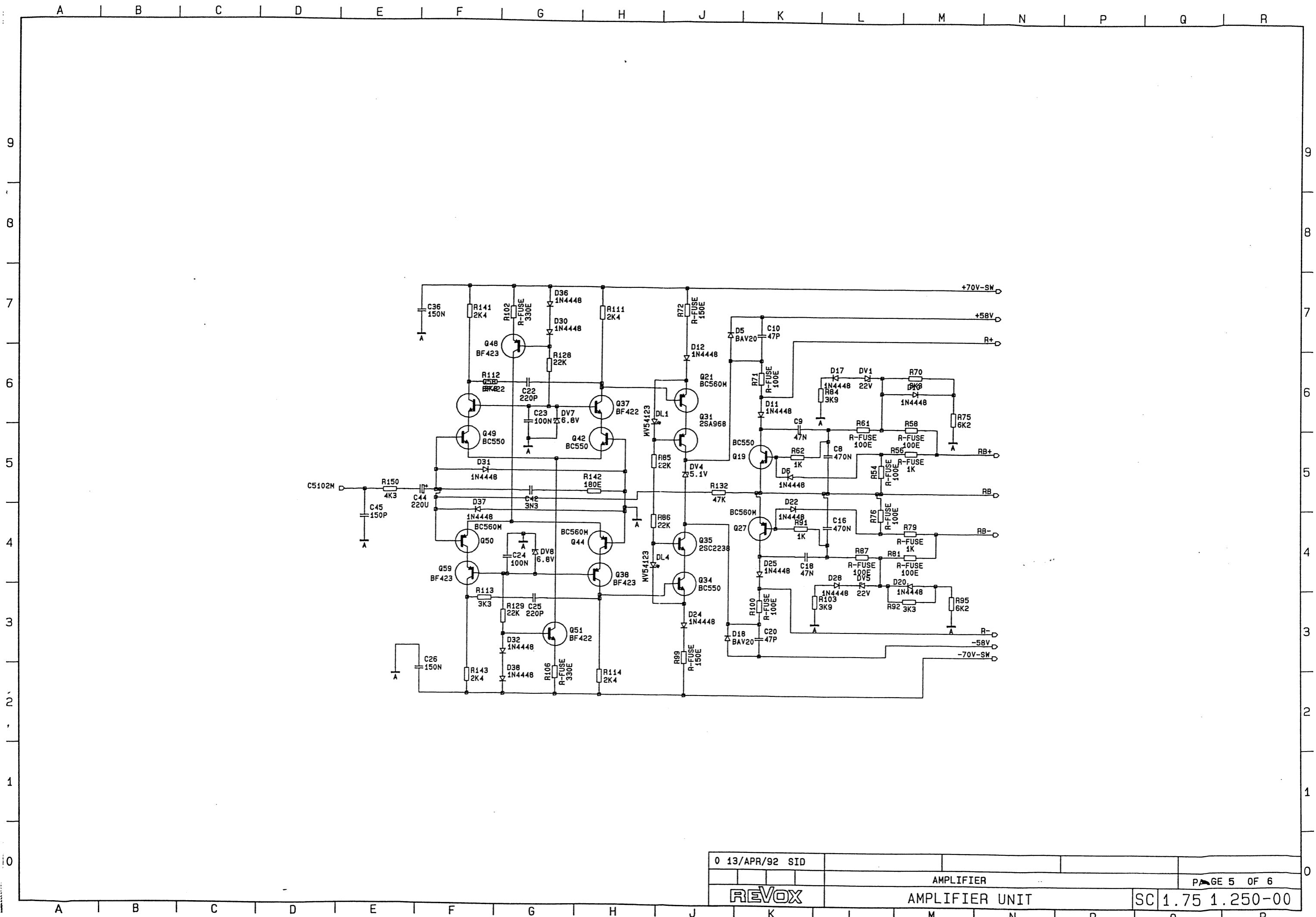


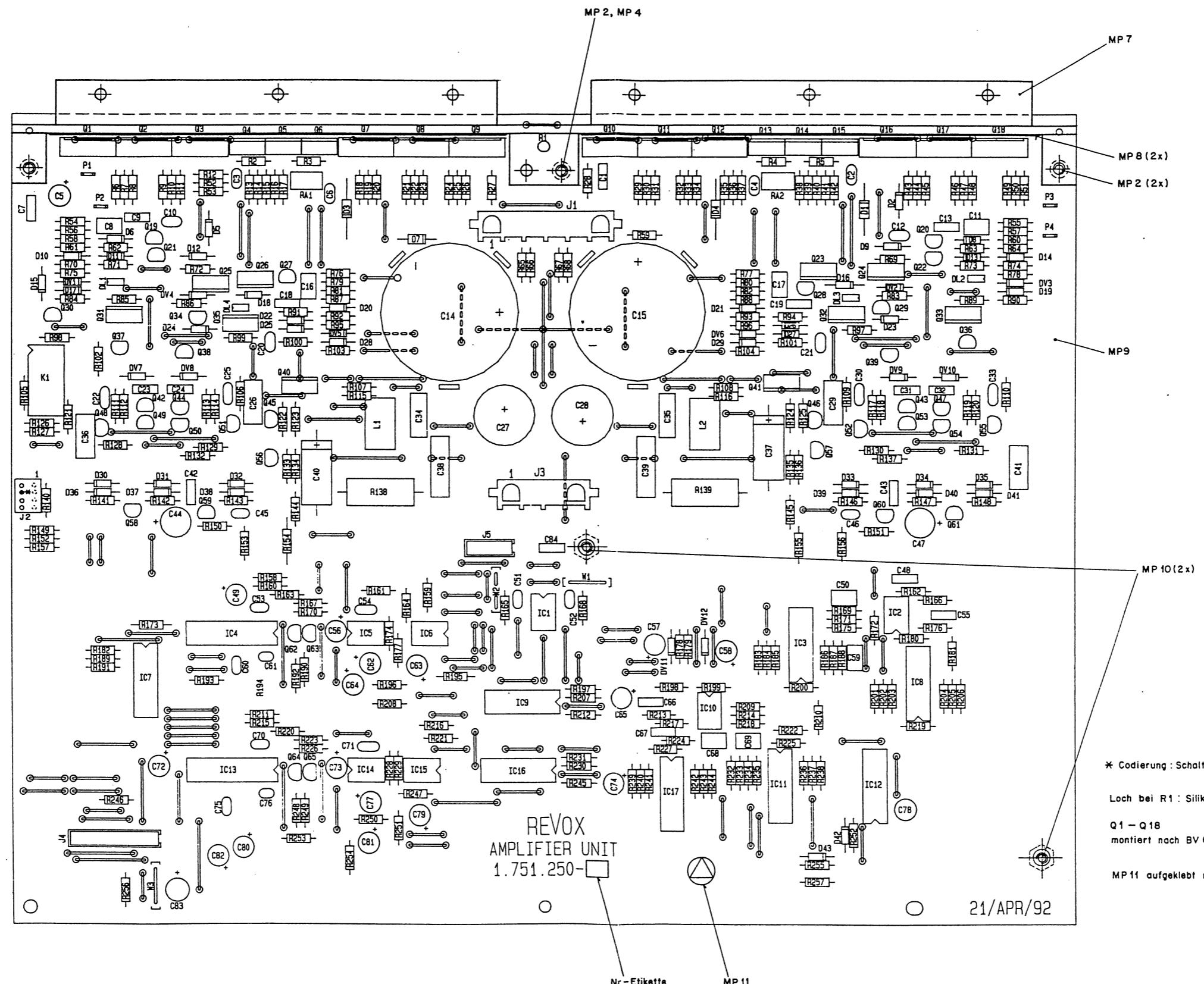
A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R



A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R







\* Codierung : Schaltdraht 64.01.0108 ø 0,8 x 8 mm

Loch bei R1 : Silikonfett einfüllen

Q1 - Q18  
montiert nach BV 632 mit MP 1, 3, 5, 6

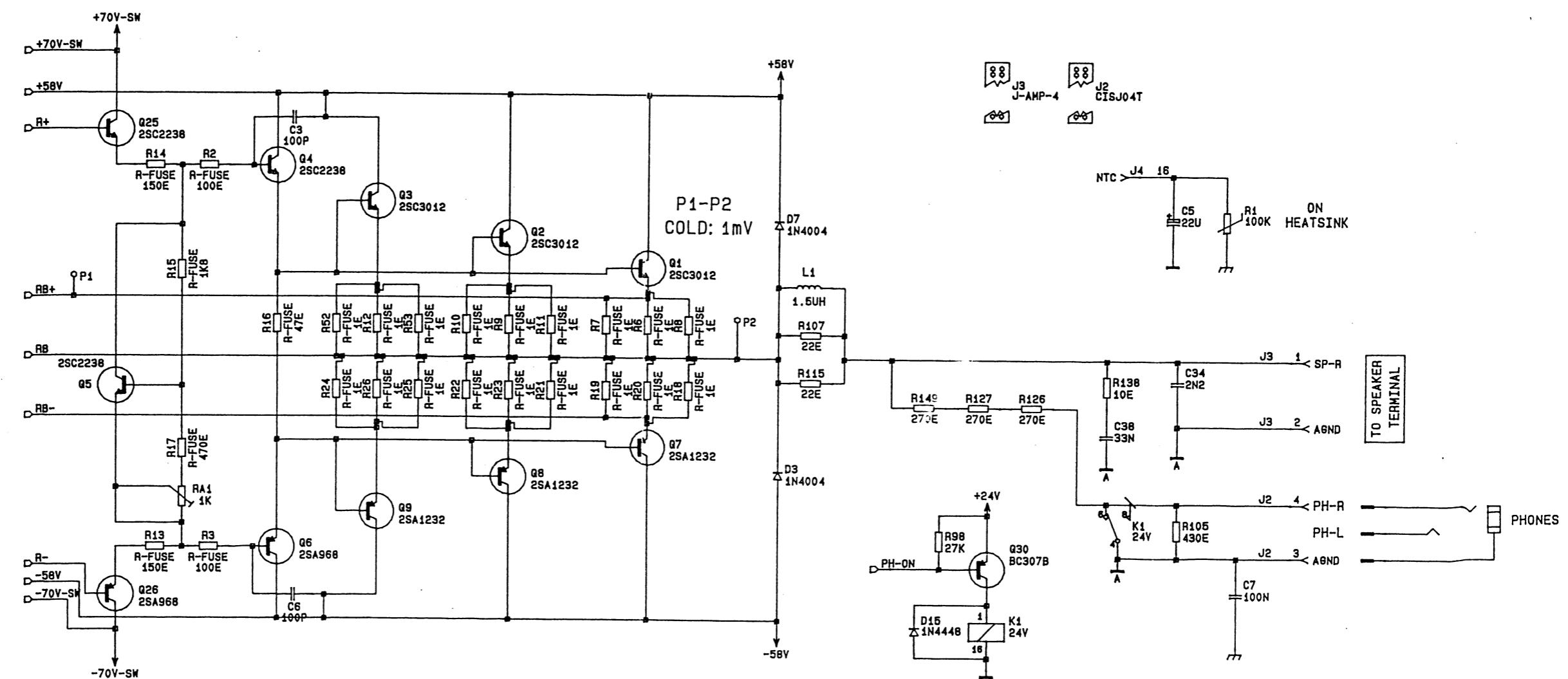
MP 11 aufgeklebt nach Fabrikationsmuster

21/APR/92

Nr.-Etikette

MP 11

Werkstatt:	Norm-Nr.:	Güte:	Anhebung
DIN-Bez.:		Beh.:	
Abmessung:		Oberfläche:	
Zugehörige Unterlagen:	Freimastoleranz:	Maßstab:	
PL, BV 632	±	1,5 : 1	Ausgabe
Ersetzt Kür:	Ersetzt durch:		Datum
STUDER REGENSBORF ZÜRICH	Bemerkung:	Gepr.	Gepr. Index
	AMPLIFIER UNIT		
			Nummer: 1.751.250-00



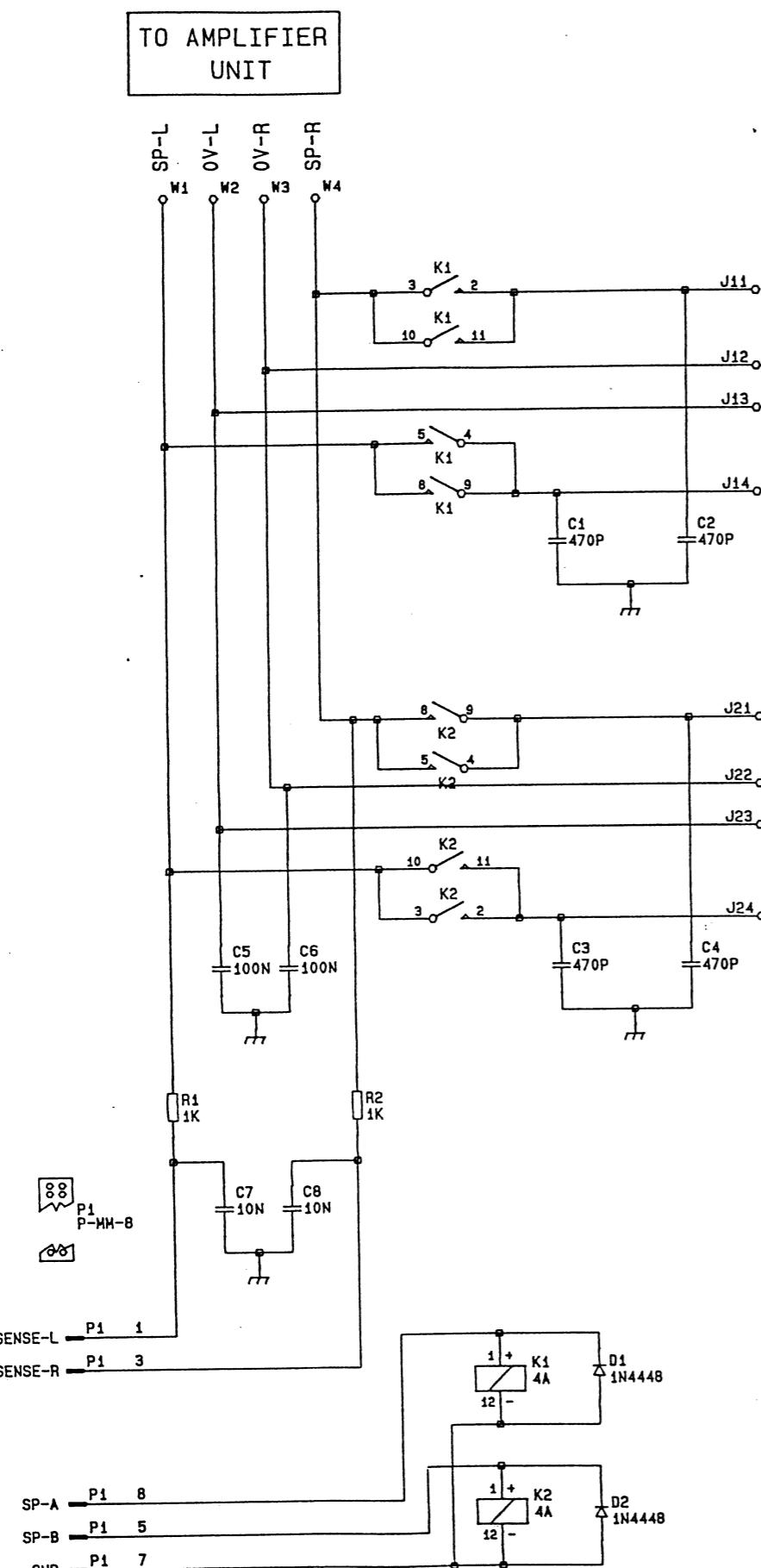
13 / APR / 92 S

**REVOX**

AMPLIFIER

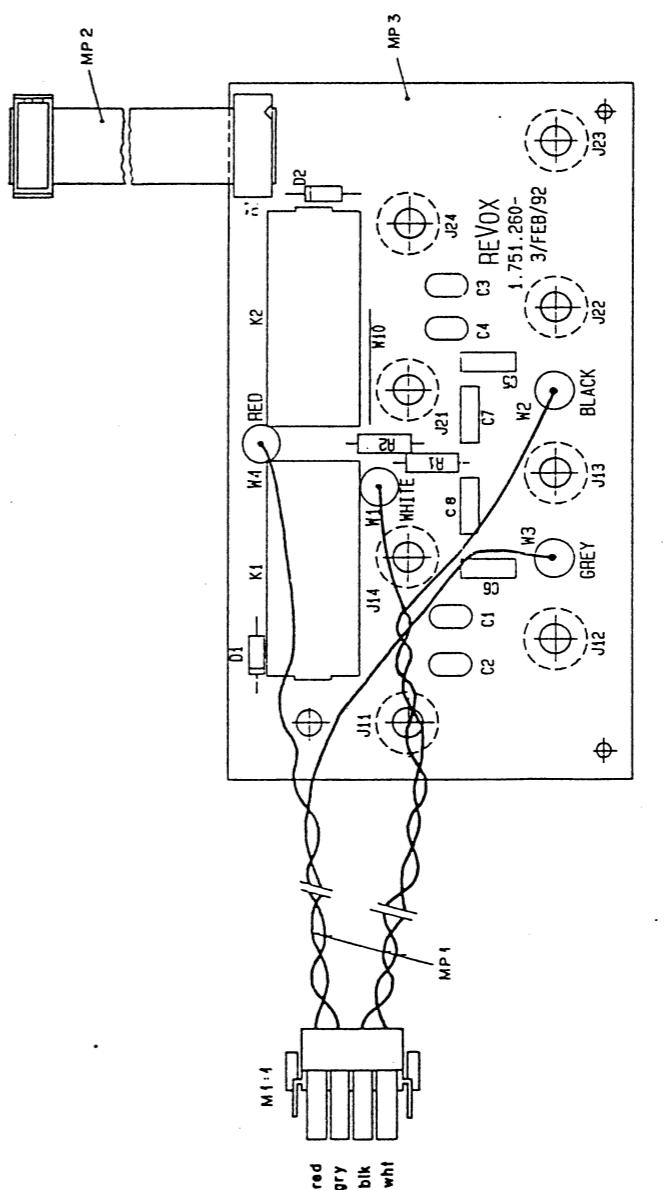
PAGE 6 OF 6

TO CONTROL UNIT



RIGHT SPEAKER A  
LEFT  
RIGHT SPEAKER B  
LEFT

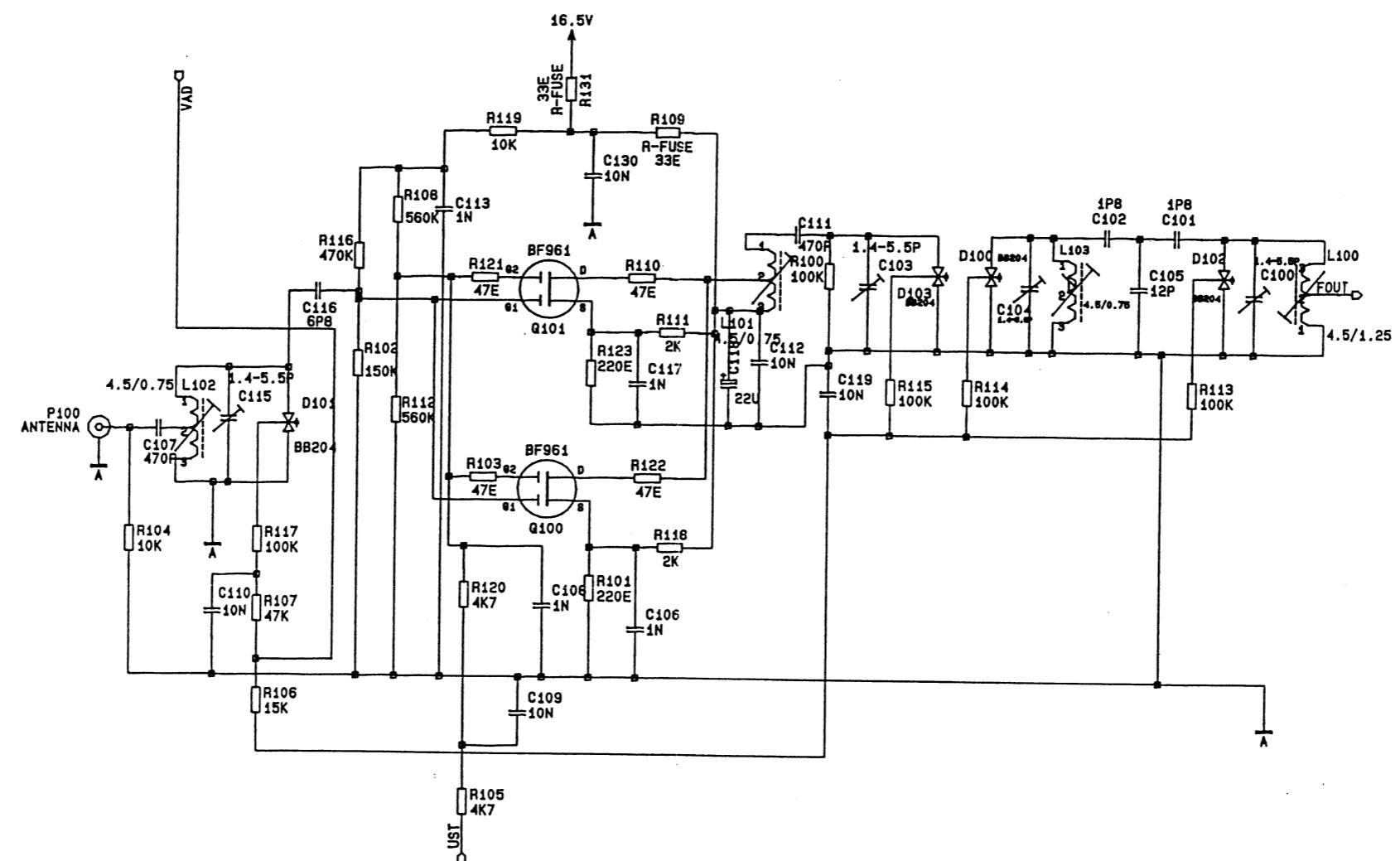
9  
8  
7  
6  
5  
4  
3  
2  
1  
0



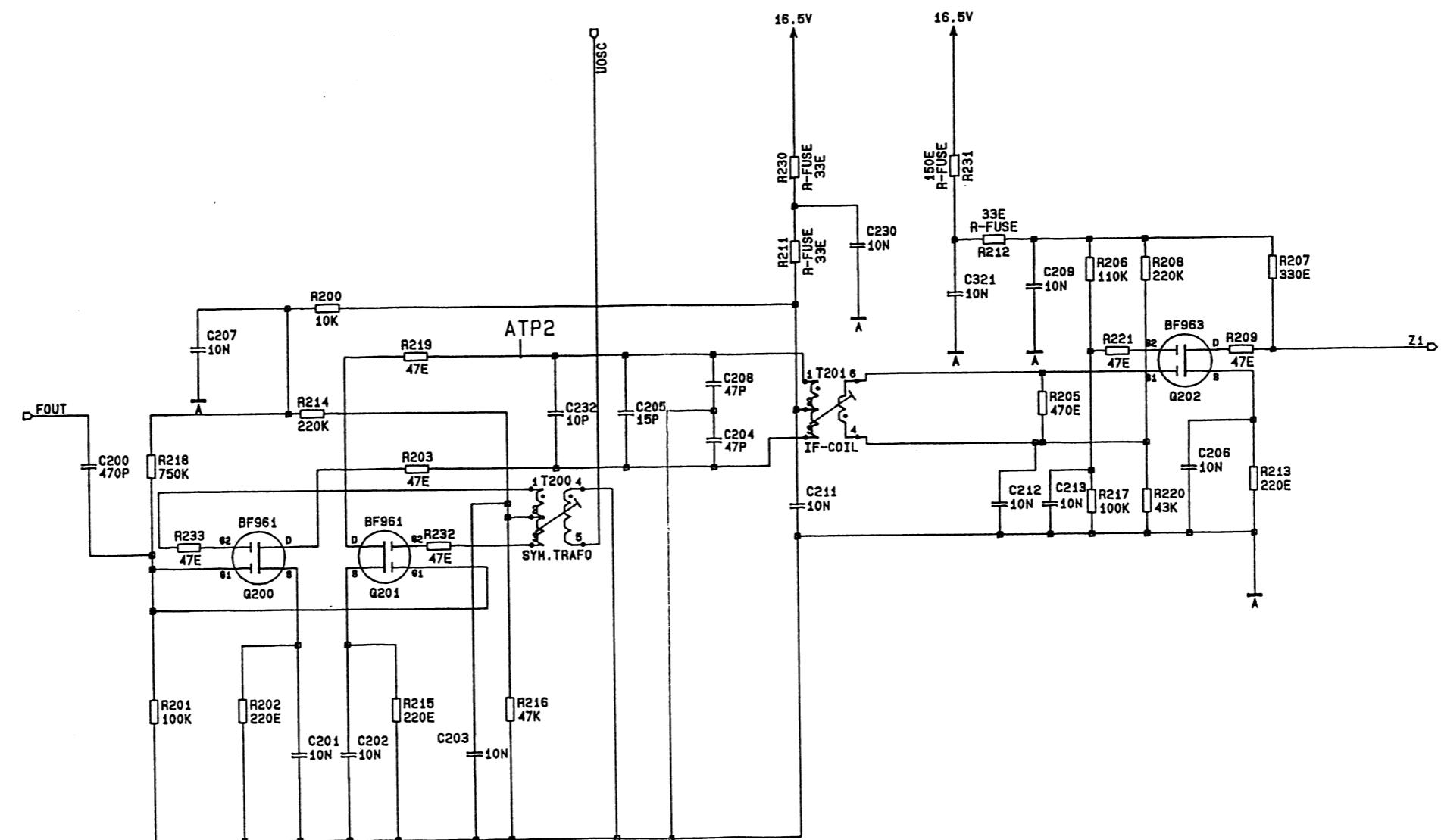
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DIN-Blz.:	Stückpreis	Best.
Abmessung:		
Zugehörige Unterrichten:	2.3.9.2	
PL	1.1; 2.1	
Ersetzt Nr.:		
Kopie Nr.:		

STUDER REEDSDORF

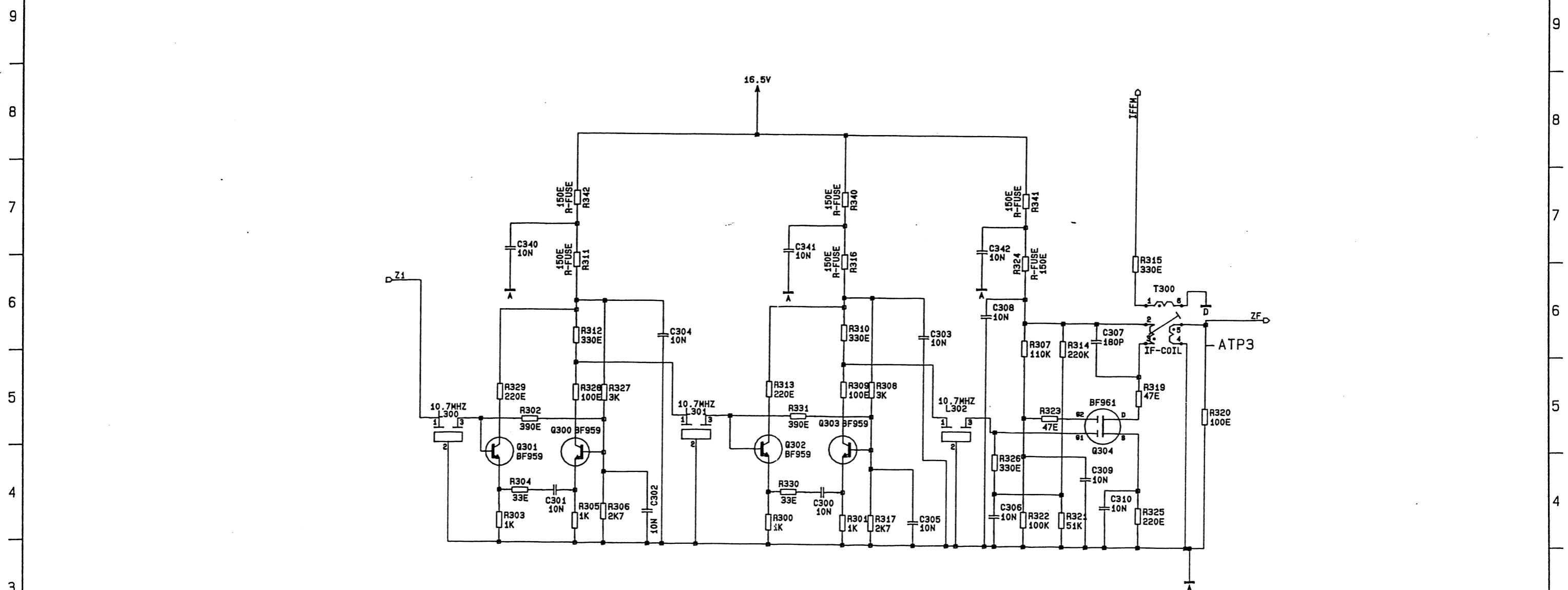
SPEAKER TERMINAL 1.751.260-00



0 04.02.92 STW	1 19.06.92 STW			
		TUNER		PAGE 1 OF 10
REVOX	TUNER BOARD	SC	1.7 52.180-20	
K	M	N	P	Q
				R



A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R



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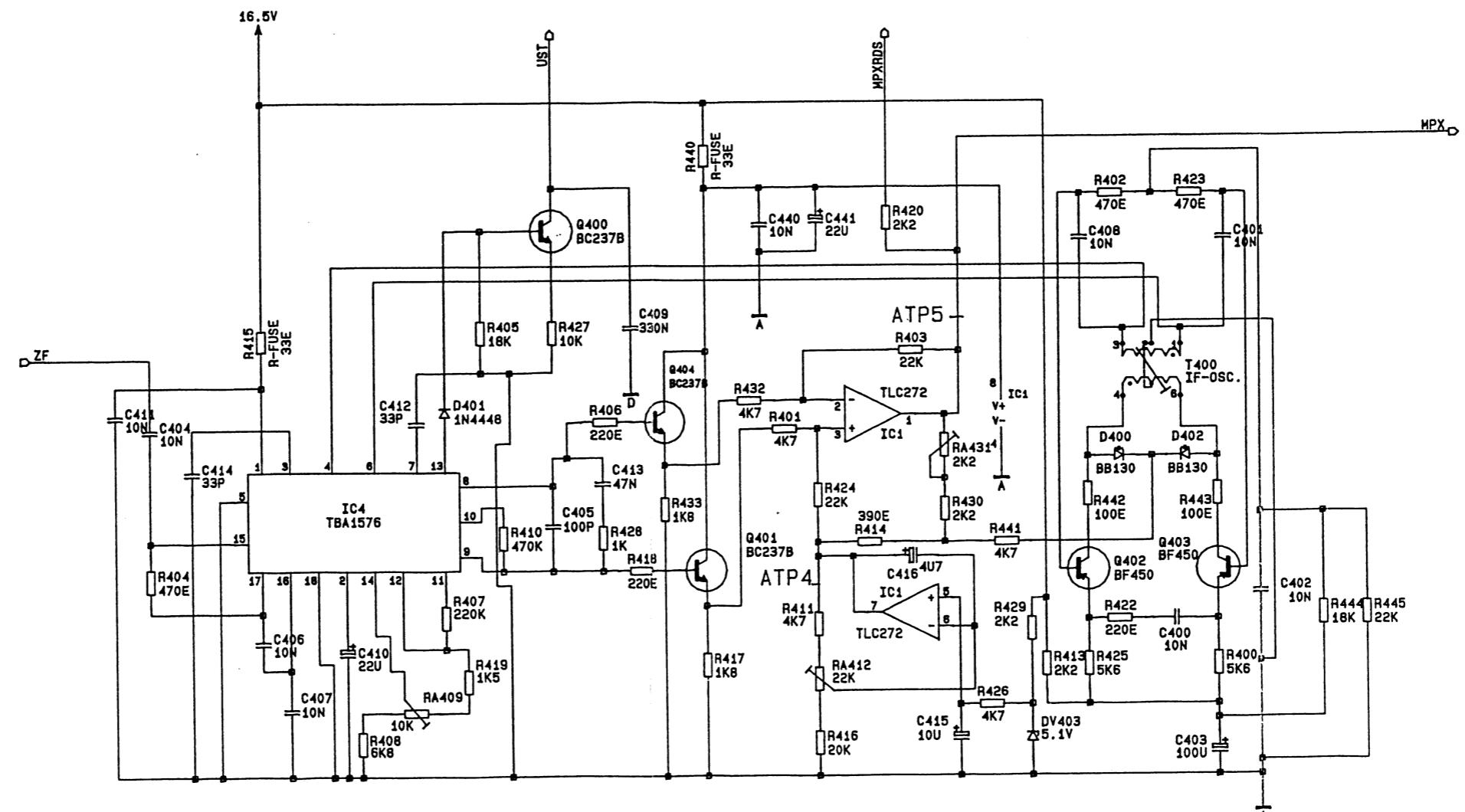
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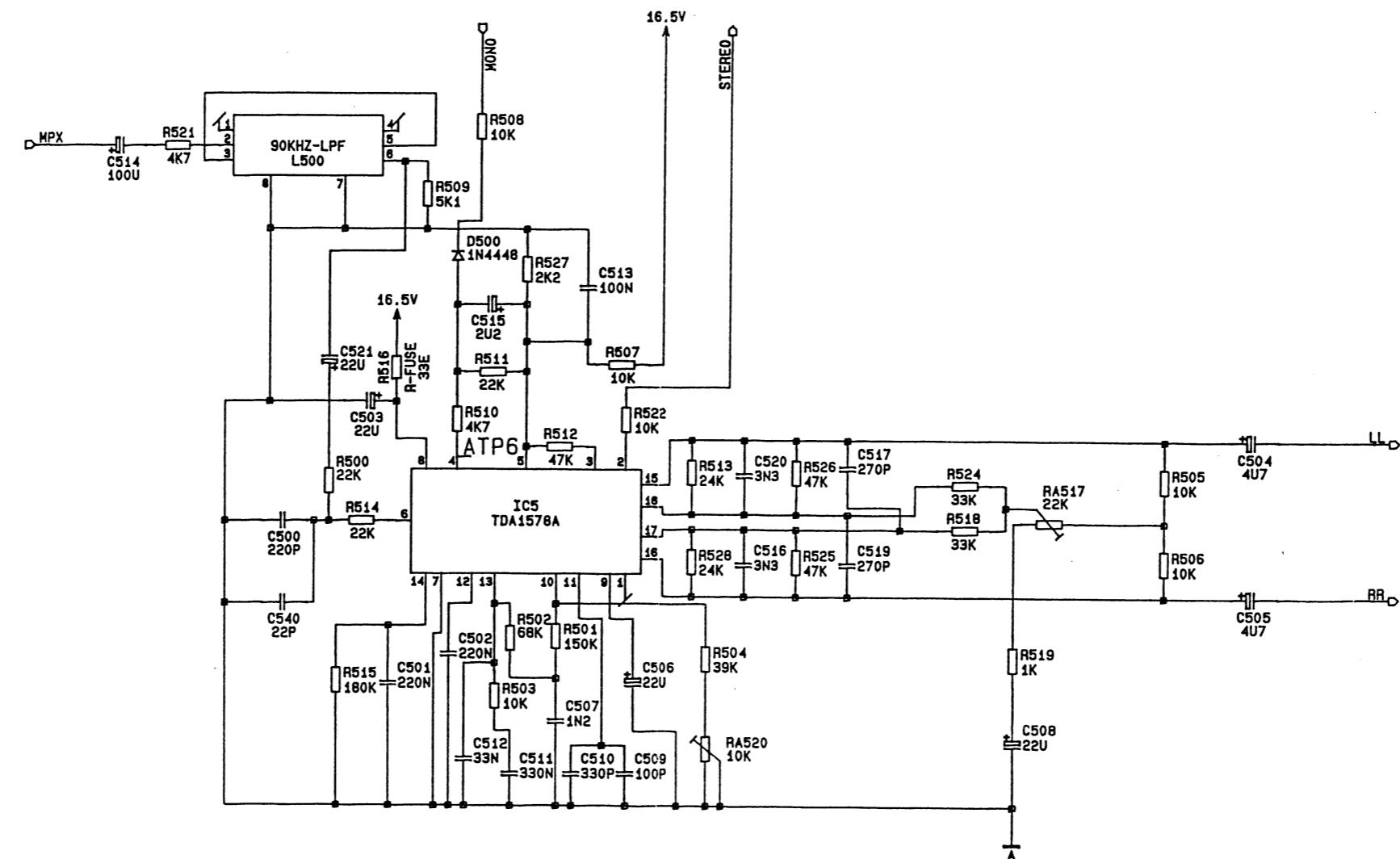
TUNER

REVOX

TUNER BOARD

SC 1.752.180-20





0 04.02.92

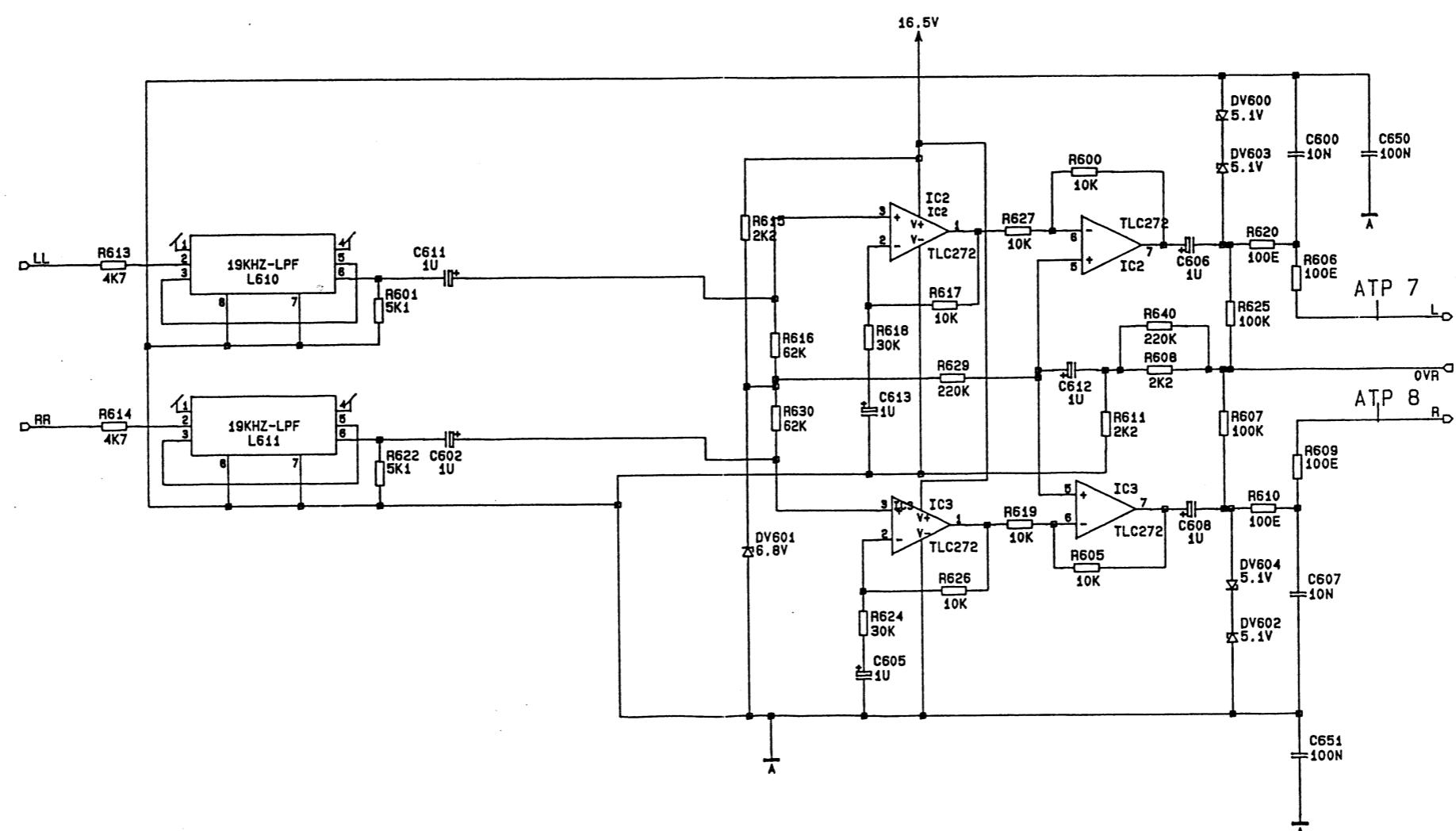
1 19.06.92 S

TUNER

**REVOX**

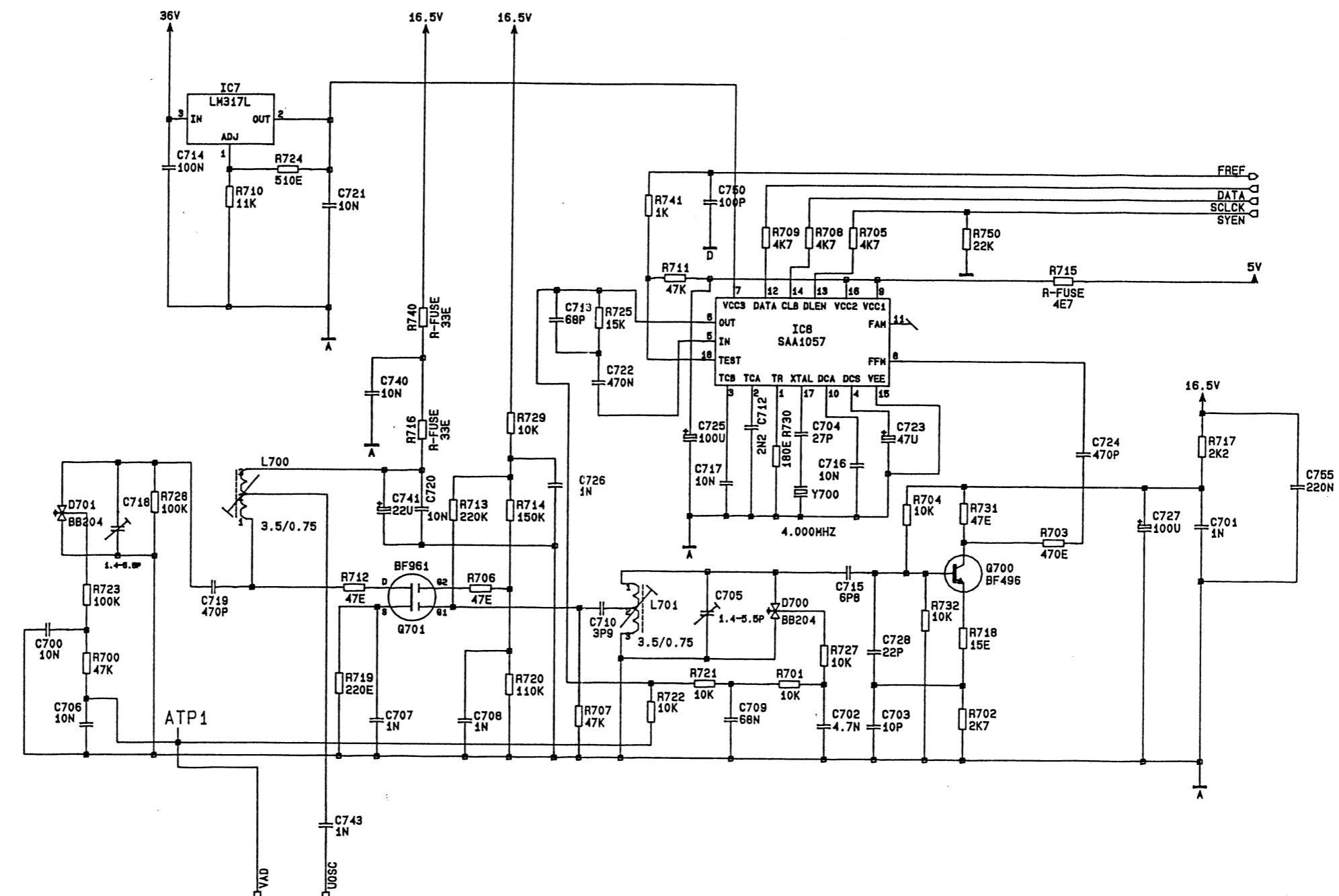
TUNER BOARD

SC 1.752.180-20



0 04.02.92 STW	1 19.06.92 STW	TUNER	PAGE 6 OF 10
REVOX	TUNER BOARD	SC 1.75 2.180-20	

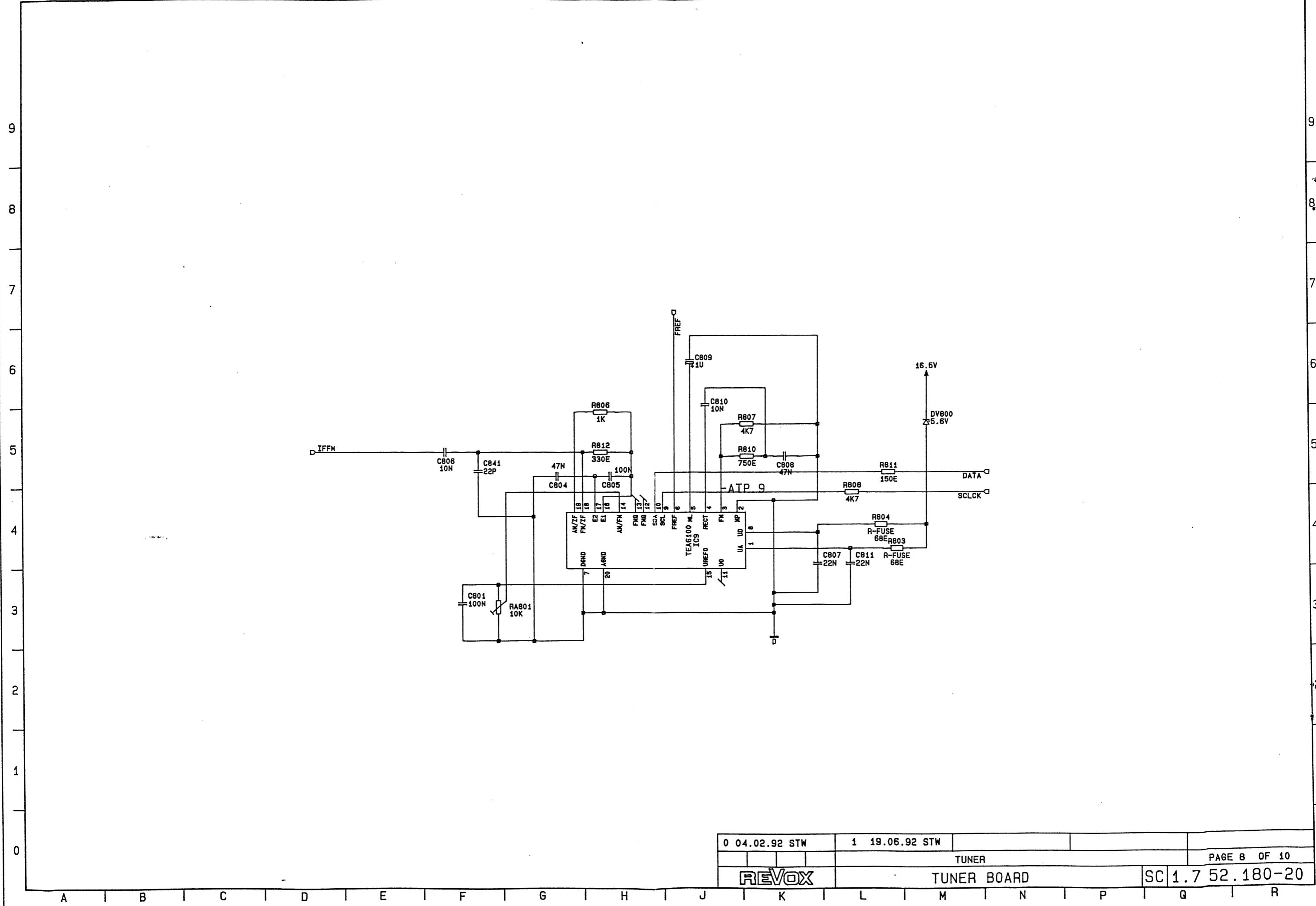
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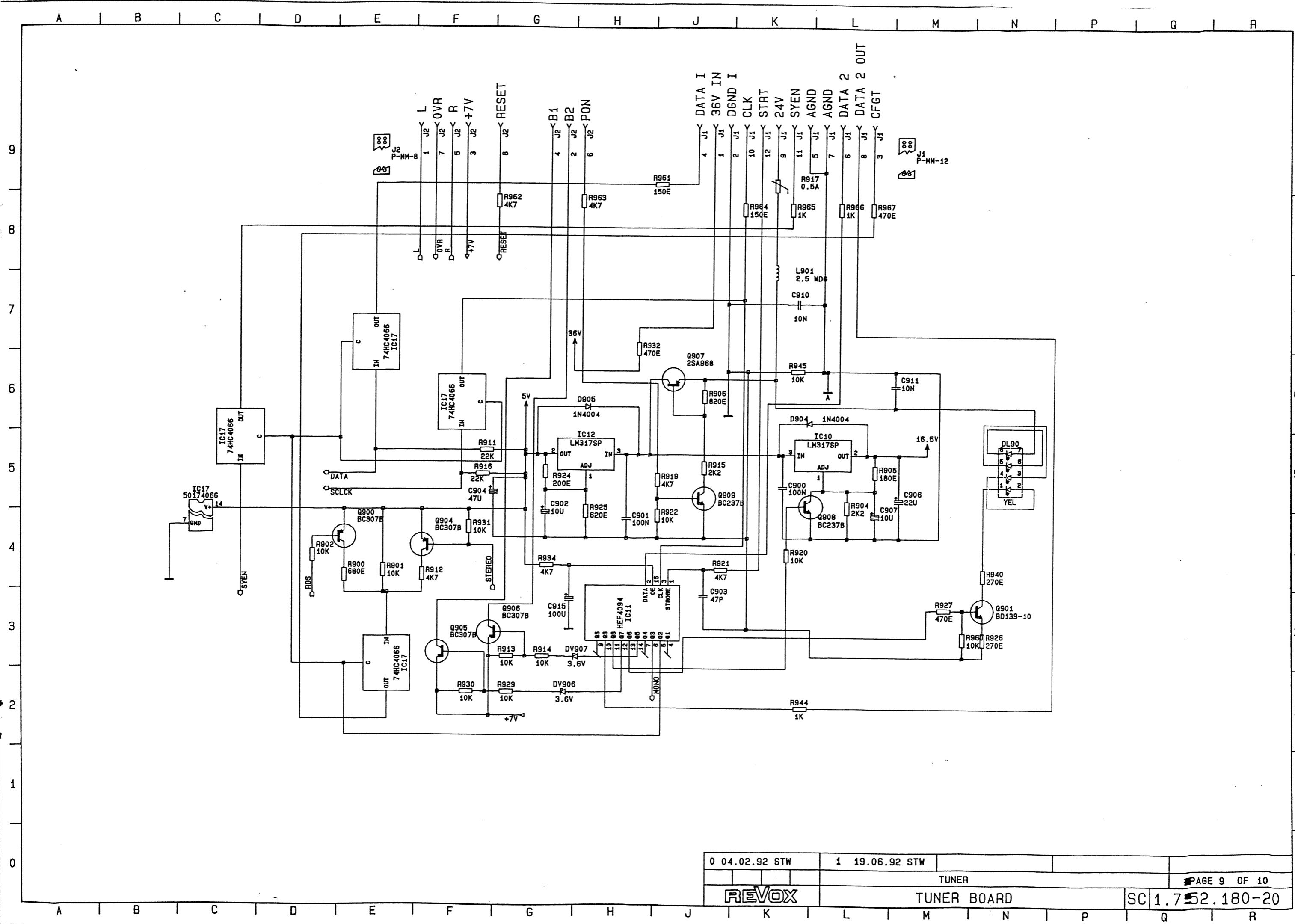


0 04.02.92 STW	1 19.06.92 STW		
TUNER			
REVOX		TUNER BOARD	
		SC 1.752.180-20	0

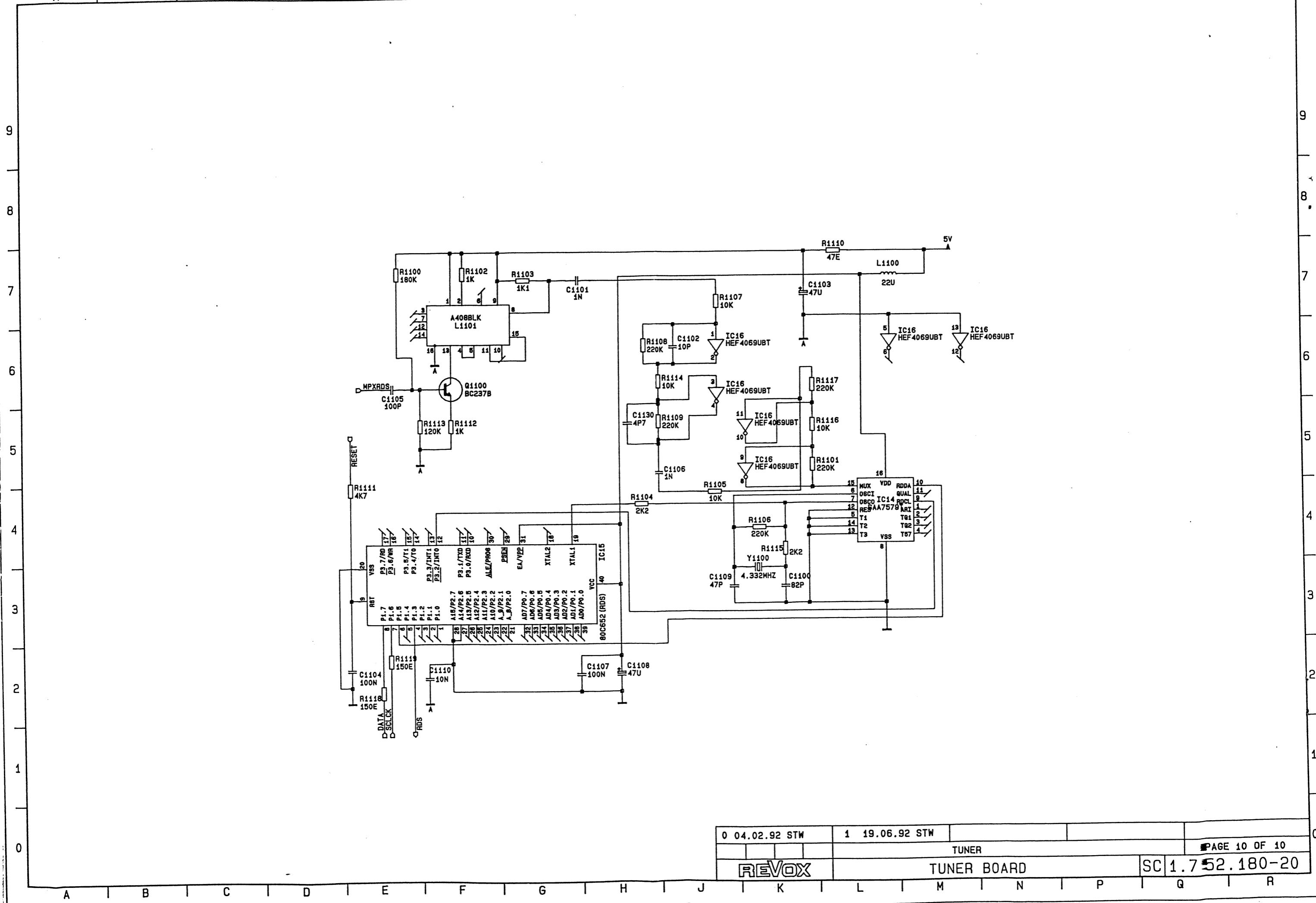
PAGE 7 OF 10

A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R





A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R



0 04.02.92 STW

1 19.06.92 STW

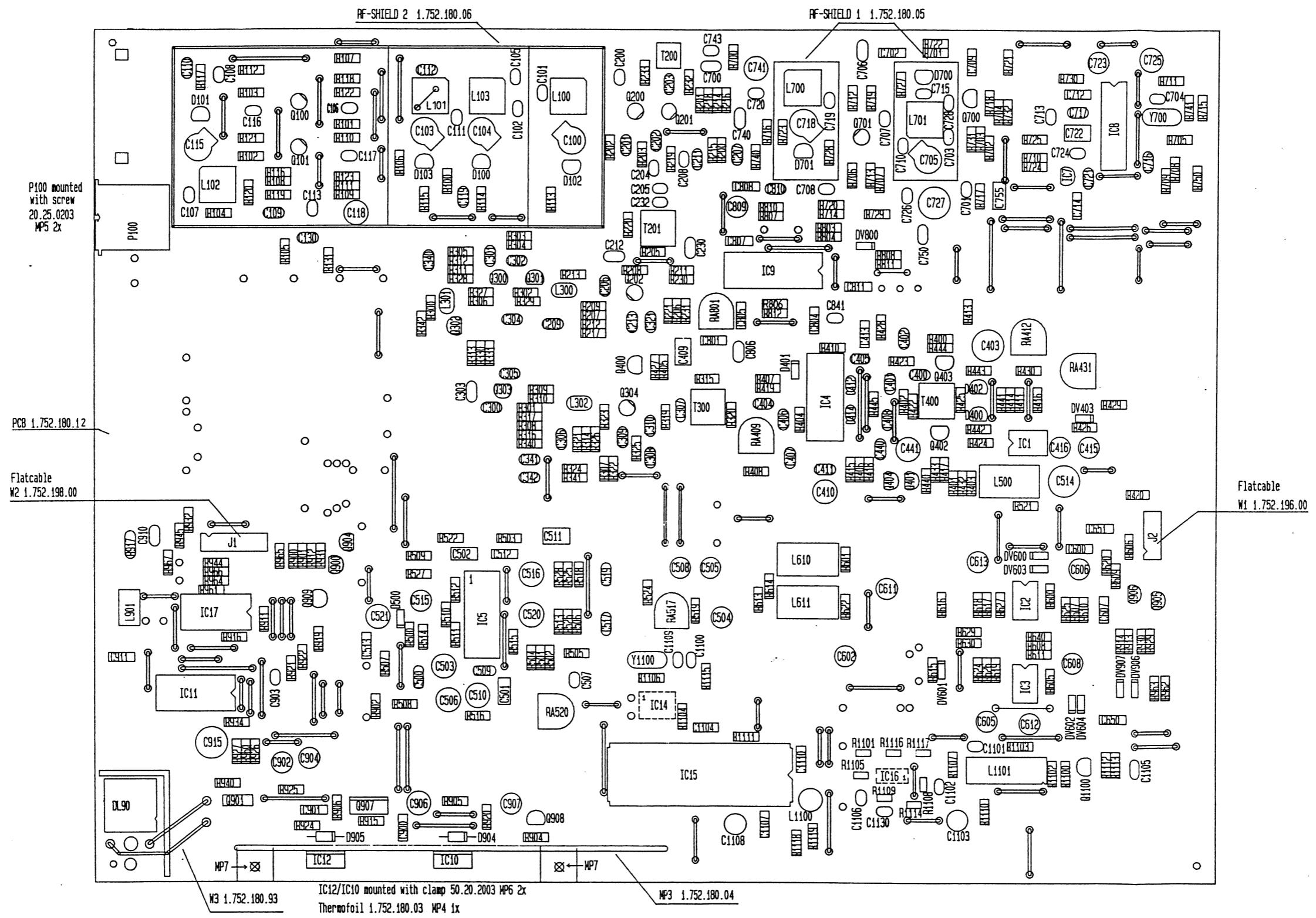
TUNER

REVOX

TUNER BOARD

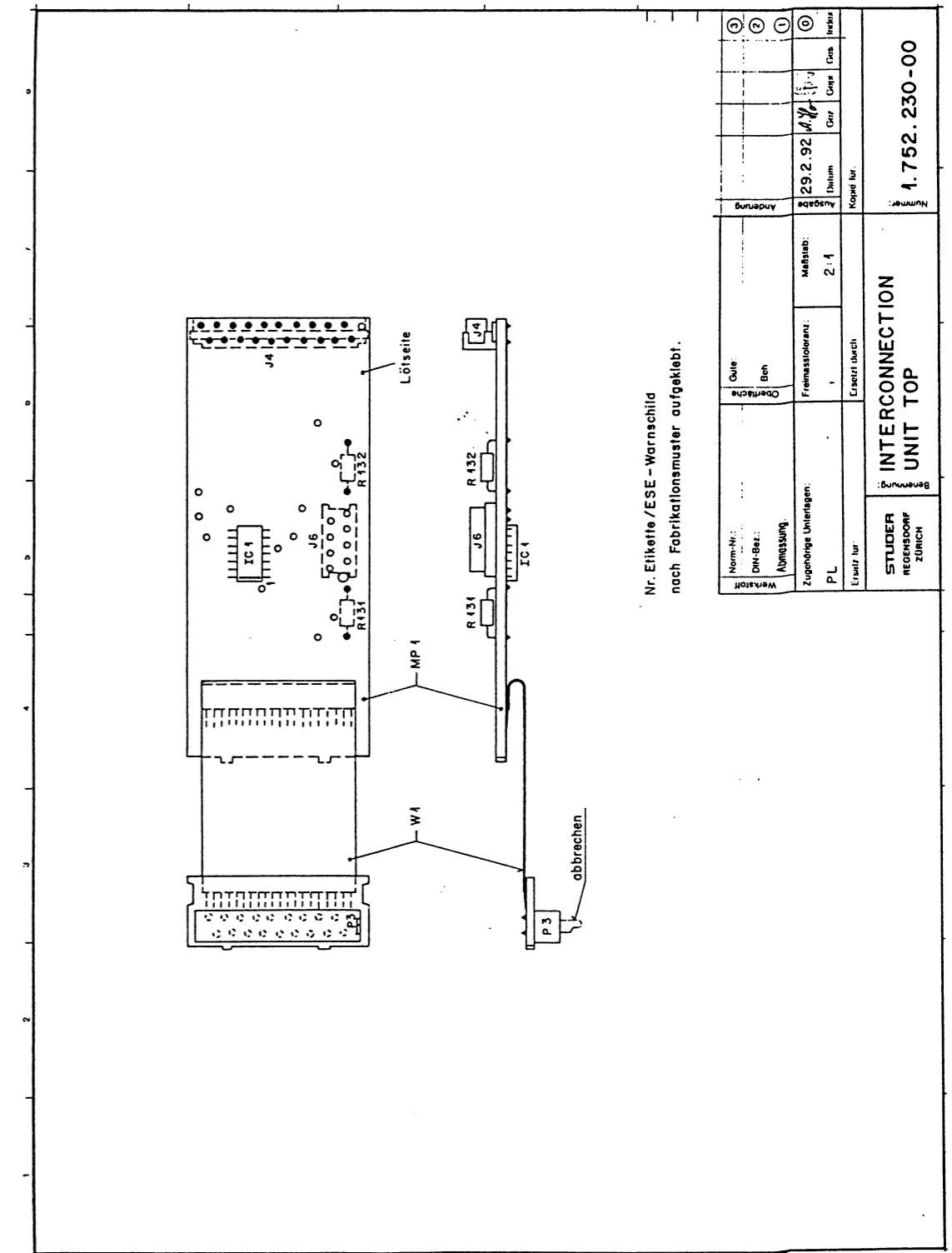
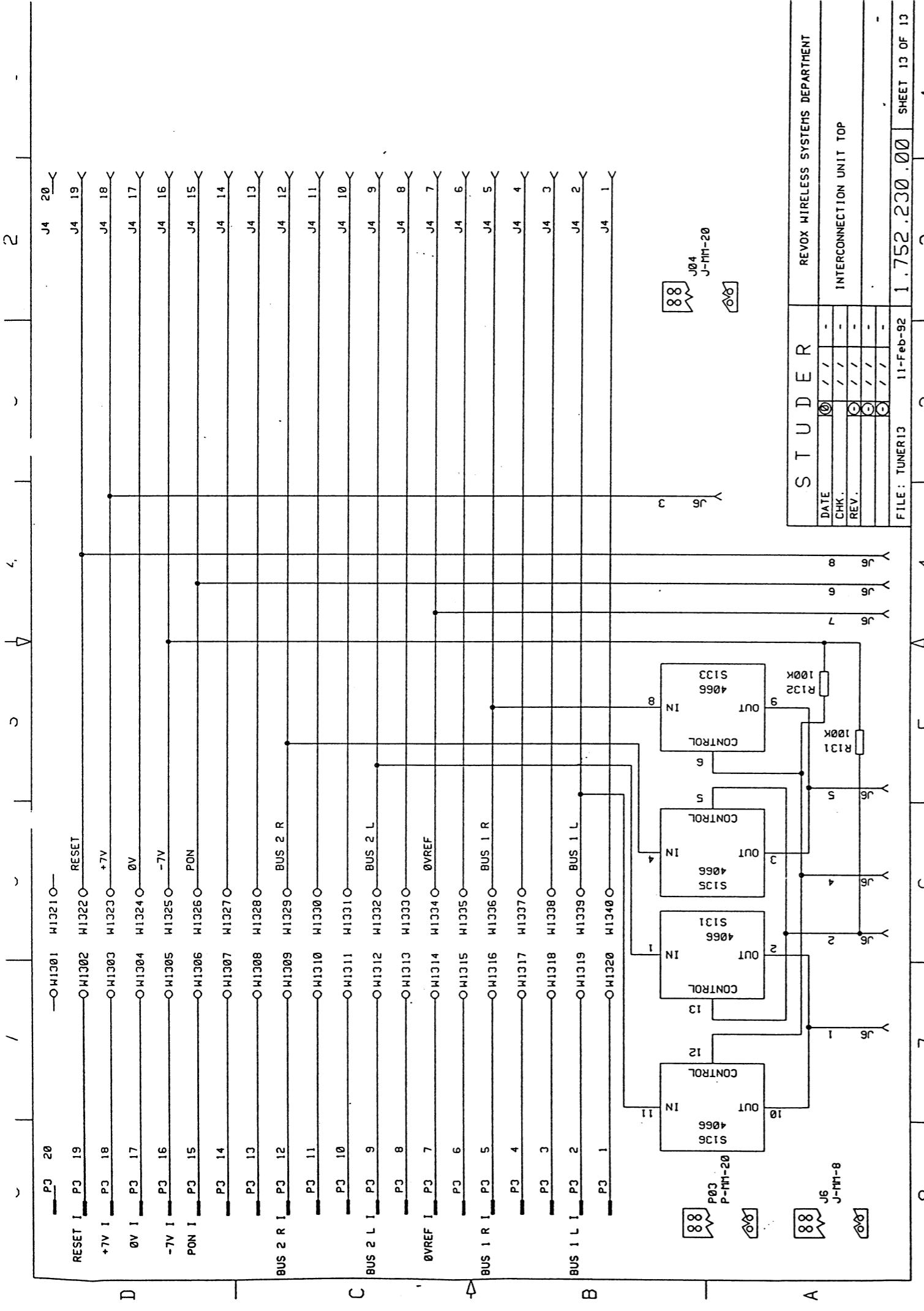
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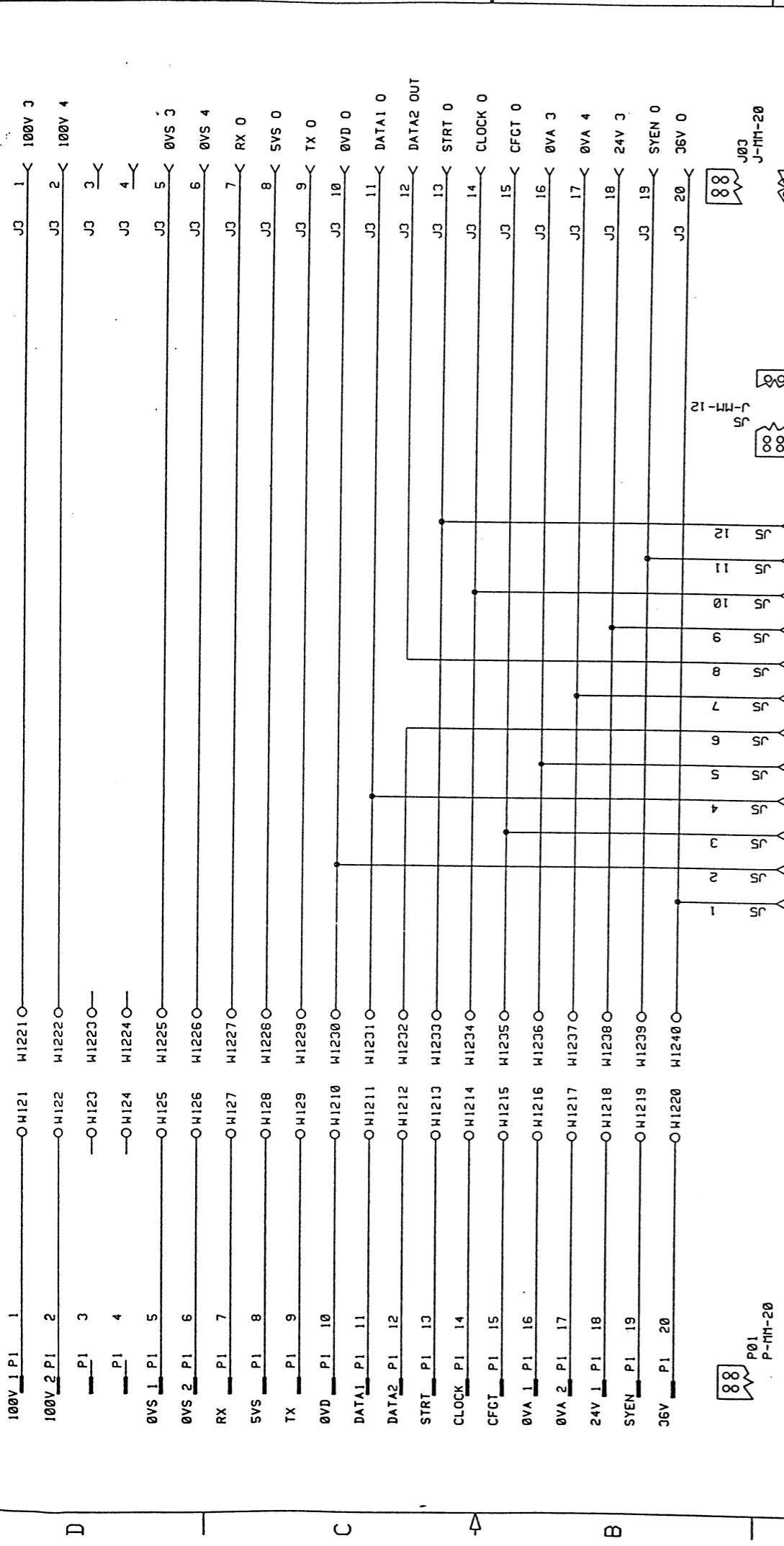
PAGE 10 OF 10



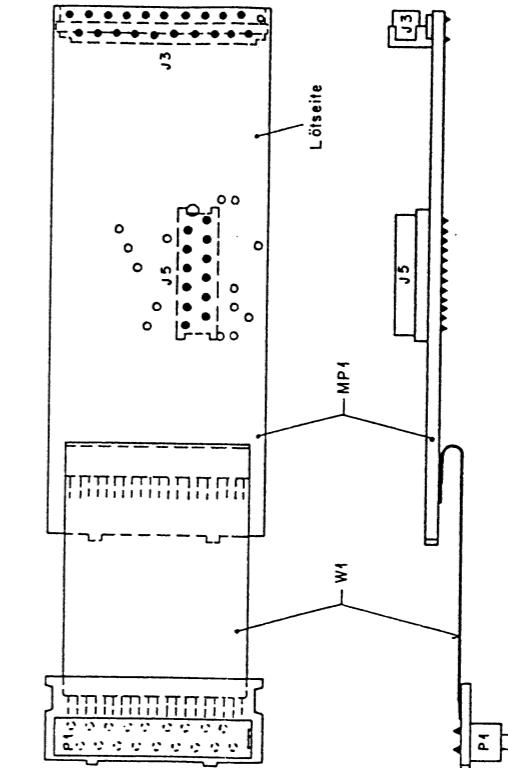
Nr. Etikette / ESE-Warnschild  
nach Fabrikationsmuster aufgeklebt.

Werkstoff:	Norm-Nr.:	Güte:	③ ② ①
DIN-Bez.:			
Abmessung:			
Zugehörige Unterlagen:	Freimassakeranz:	Maßstab:	
PL	x	2:1	29.6.92 2.11.92 28.2.92 2.11.92
Ersatz für:	Ersetzt durch:		Ausgabe Datum Gaz. Gez. Gez. Index
STUDER REGENSDORF ZÜRICH	Bemerkung:	FM TUNER UNIT EU	Nummer: 1.752.180-20

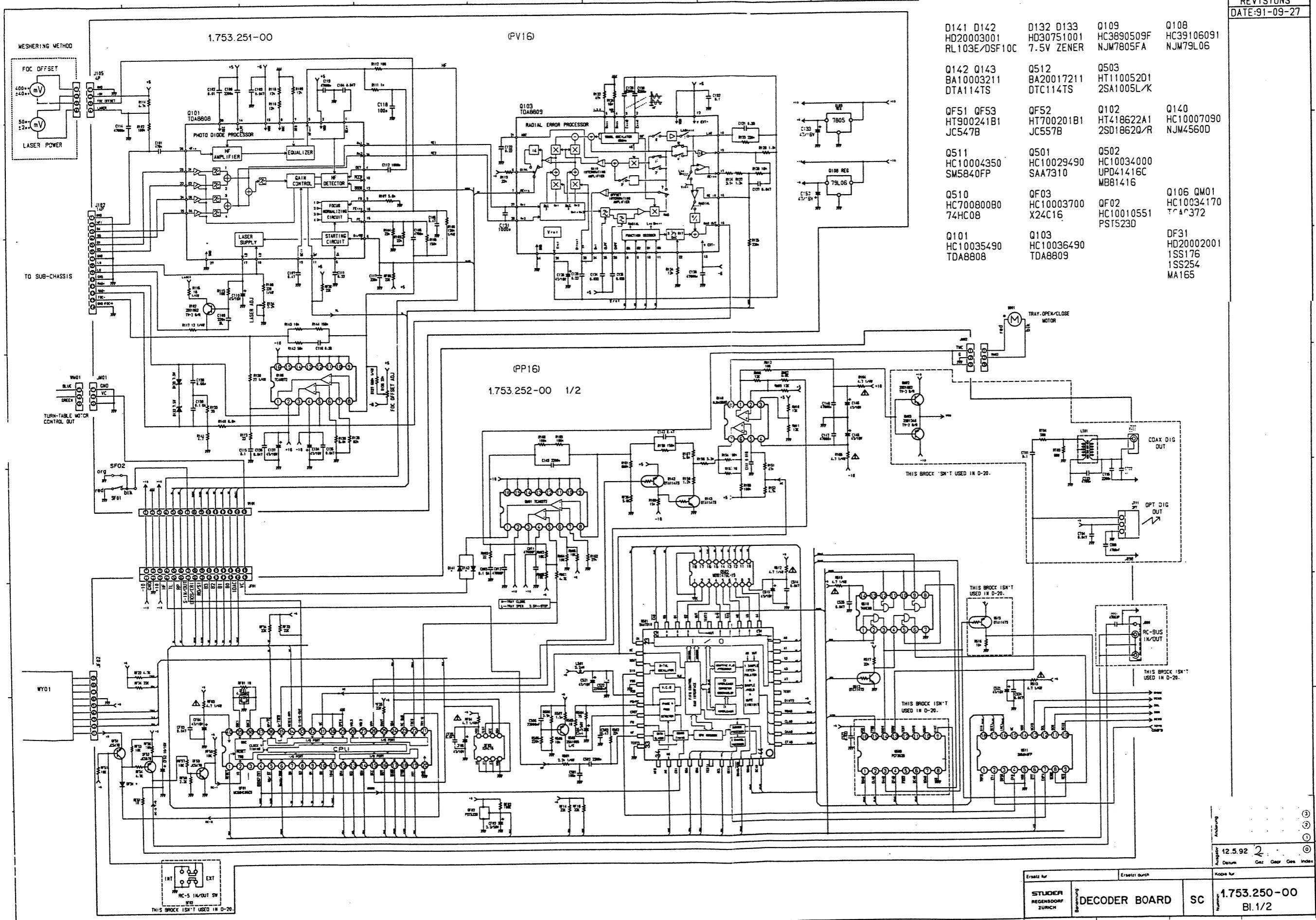




S T U D E R		REVOX WIRELESS SYSTEMS DEPARTMENT		
DATE	⑨	/	/	-
CHK.	-	-	-	INTERCONNECTION UNIT BOTTOM
REV.	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-
FILE : TUNER12	11-Feb-92	1	.752	.240 .00
				SHEET 12 OF 13
	3			



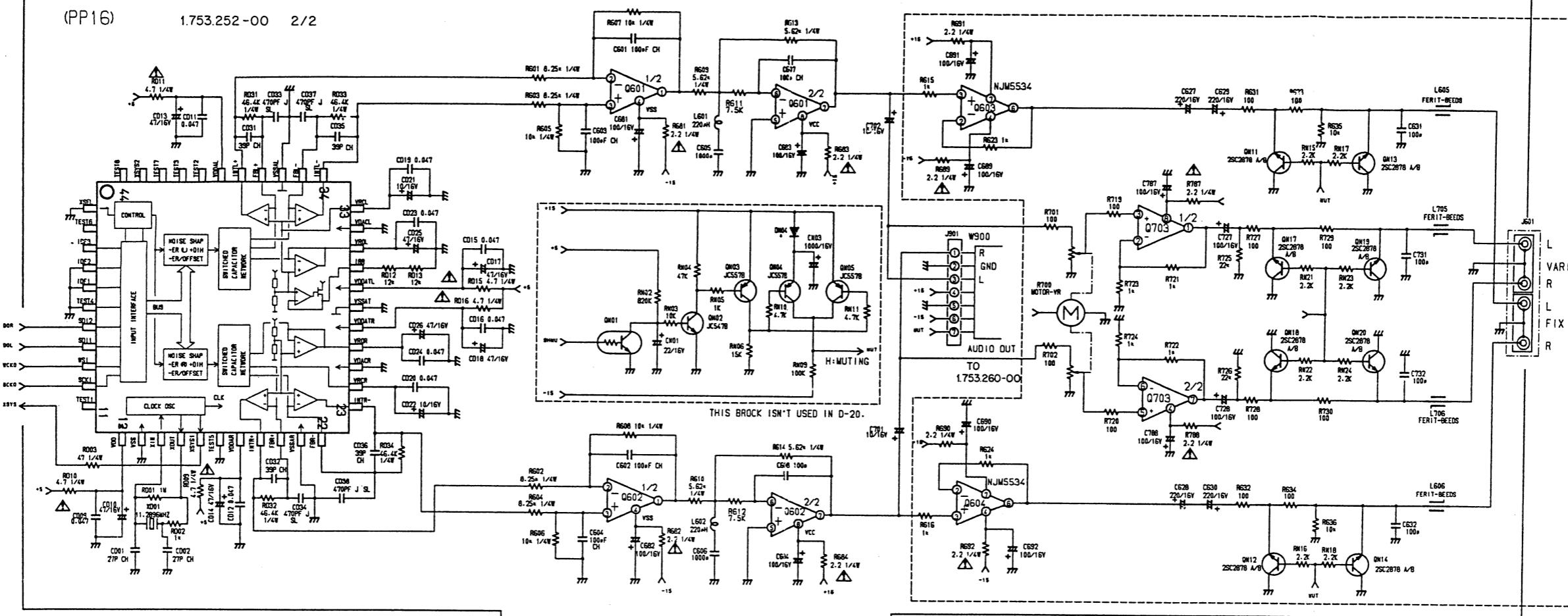
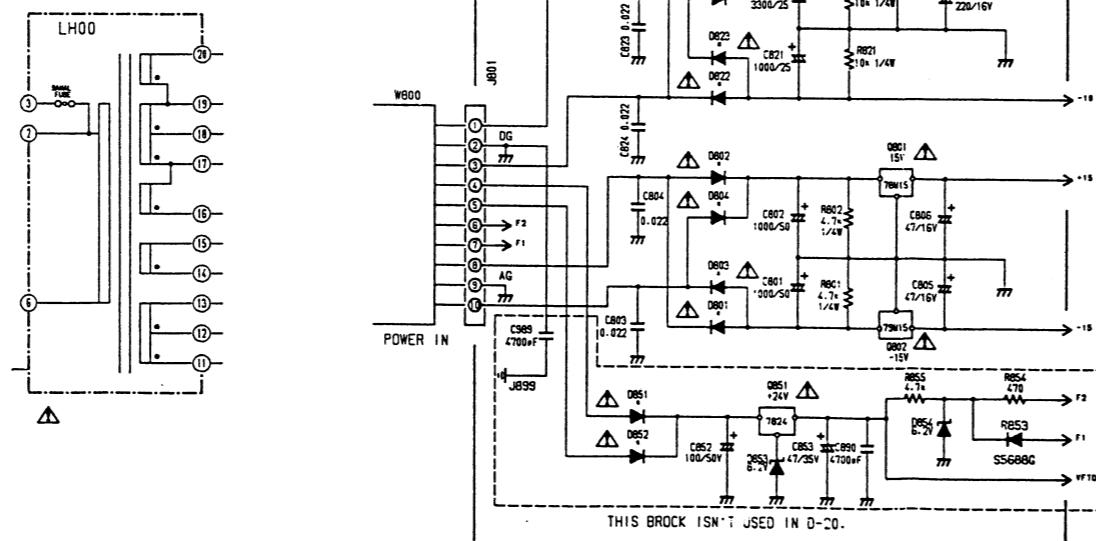
Nr. Etikette nach Fabrikationsmuster aufgesteckt



DN04 D801 D802 Q821 Q802 QD01 Q601 Q602  
HD20002001 D803 D804 HC3890509F HC9951509F HC10054490 HC10062090  
1SS176 D821 D822 NJM7805FA NJM79M15FA SAA7350 NJM55320D  
1SS254 D823 D824  
MA165 HD20003001 RL103E/DSF10C Q801 HC3851509F  
NJM78M15FA

(PP16)

1.753.252 -00 2/2

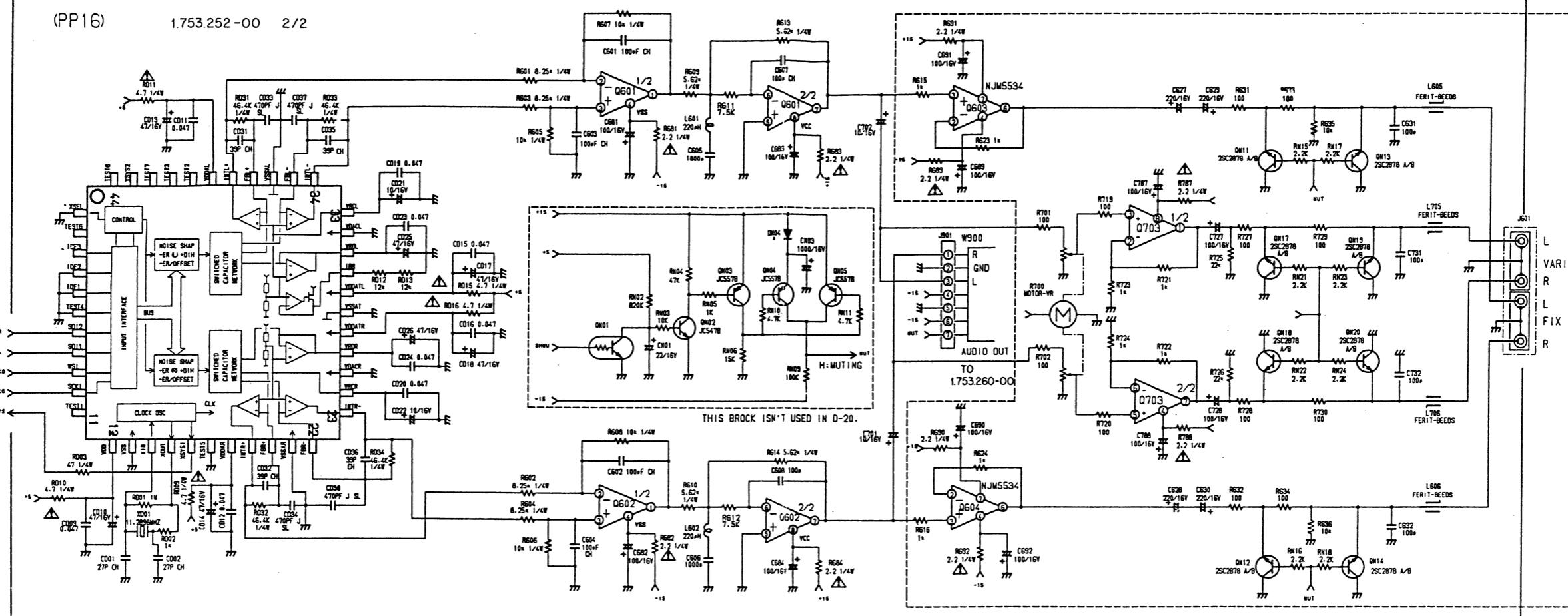
TRANSFORMER ON  
1.753.200-20

Norm-Nr.:	Gute	Oberfläche Beh.	Änderung
DIN-Bez.:			
Abmessung:			
Zugehörige Unterlagen:	Fremdanspannung:	Maßstab:	
Ersatz für:	Ersetzt durch:		
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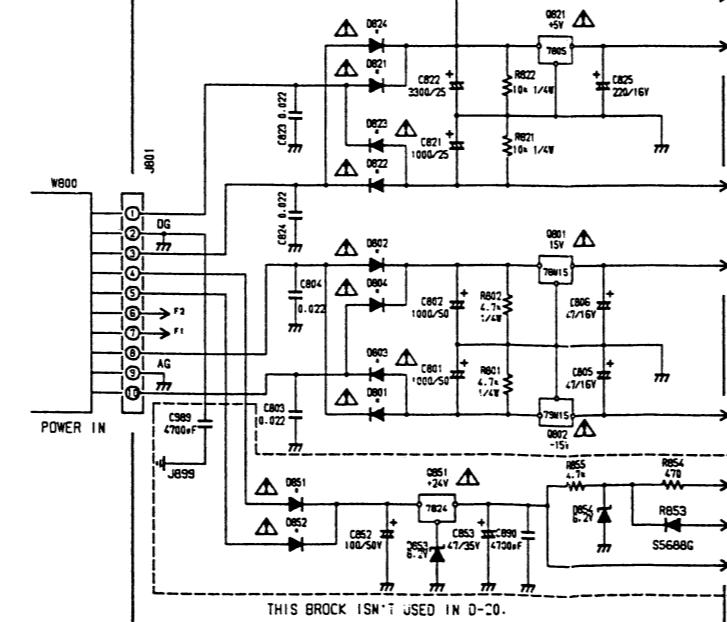
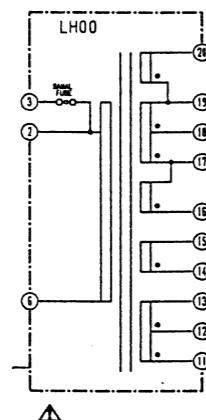
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1SS254	D823	D824					
MA165	HD20003001		Q801				
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REVISIONS

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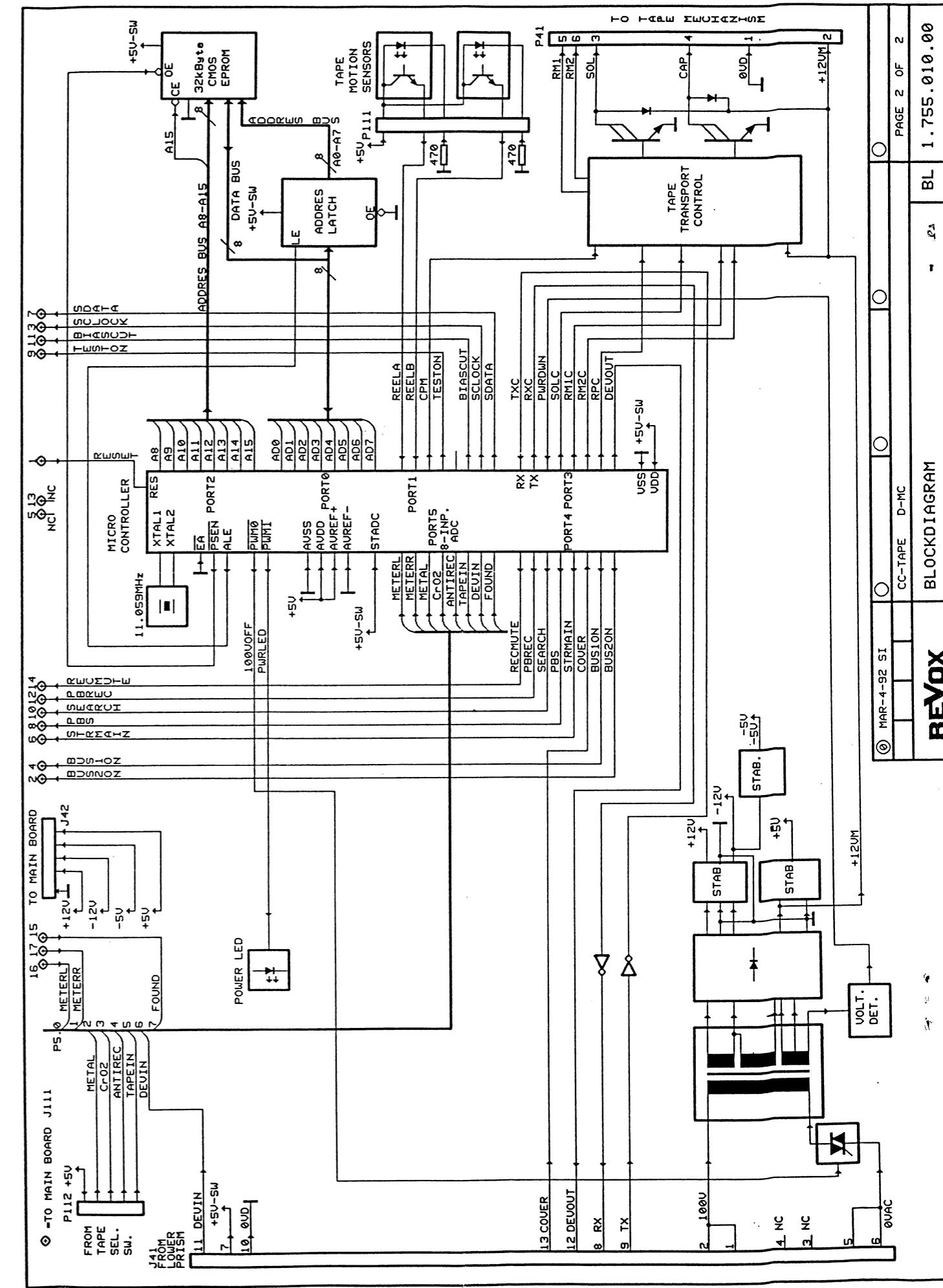
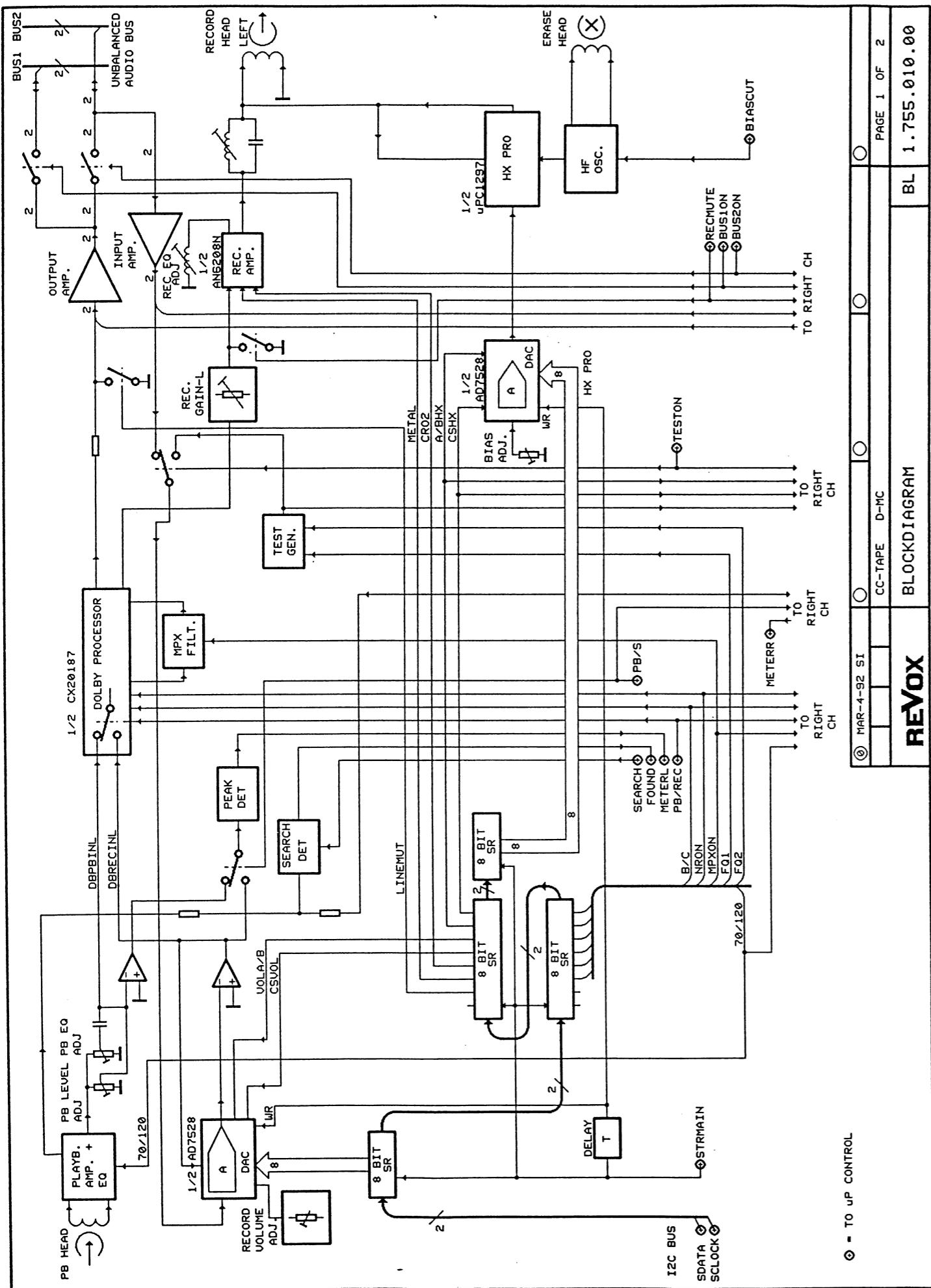


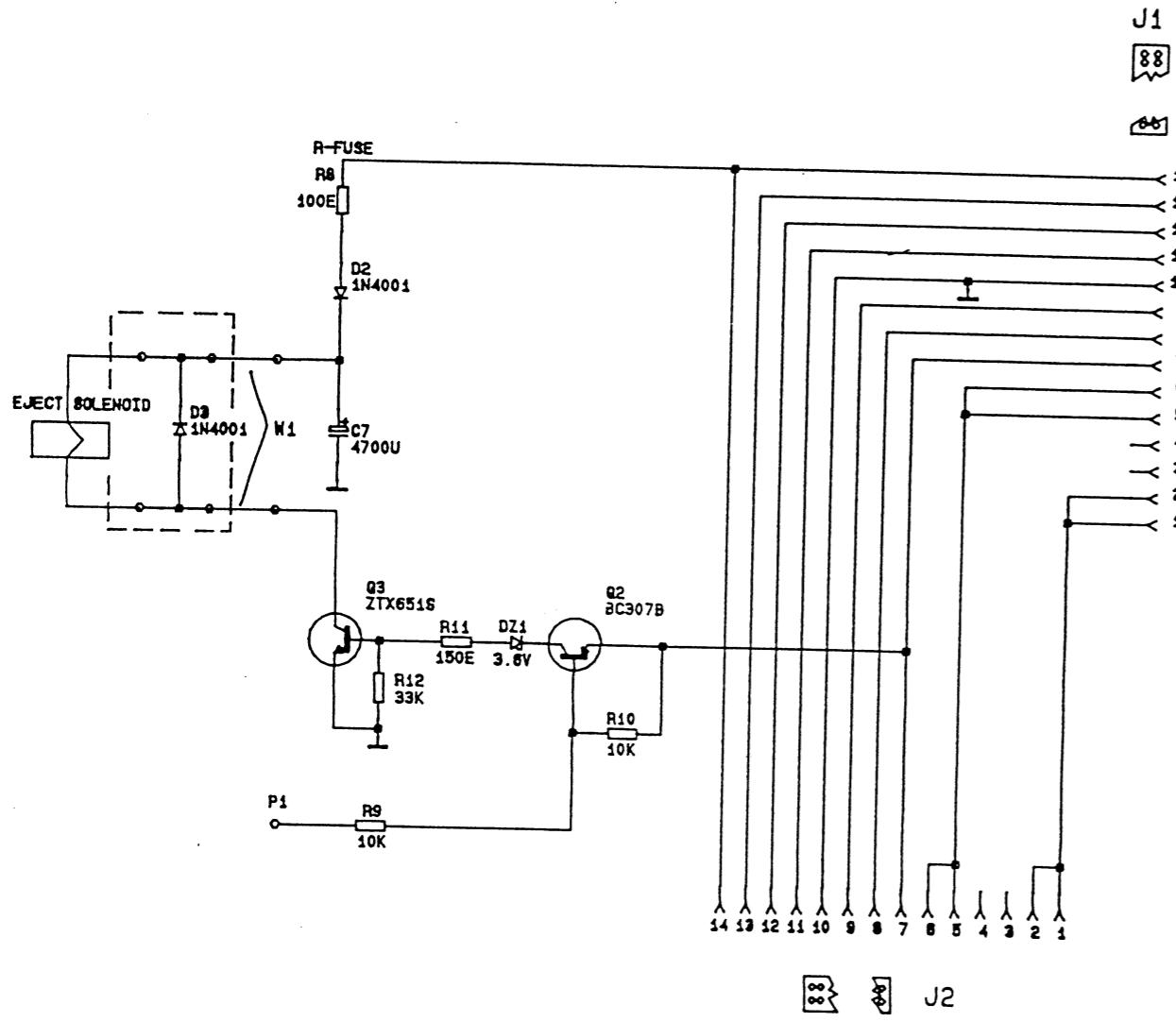
TRANSFORMER ON  
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Werkstoff Norm-Nr.: DIN-Bez.: Abmessung:	Oberfläche Gute Beh.	Anwendung	(2) (1)
Zugehörige Unterlagen	Fremmasse Toleranz t	Maßstab —	Ausgabe 13.5.92 Datum Gepr. Ges. Index ©
Ersatz für	Ersatz durch		Kopie für
<b>STUDIER REGENSBURG ZÜRICH</b>	Bemerkung: <b>DECODER BOARD</b>	SC	Nummer: <b>1.753.2 50-00</b> <b>Bl. 2/2</b>







		Werkstof	
		DIN-Betz:	
		Abmessung:	
		Oberfläche Beh.	
Zugehörige Unterteilung:		Freimassstabseranz:	Multistab.
		1	15:1
Ersatz für:		Ersetzt durch:	
<b>STUDER</b> <b>REGENSDORF</b> <b>ZURICH</b>	Benennung:		Aenderung
	<i>Eject Control Board</i>		(1)
Nummer:	7.7.92		Rm. 01
	Ausgabe Datum	Gez.	Ges.
	Kopie für:		Index
			(0)
1.755.210-00		(2)	
		(3)	

1112 Dargatzka, nach Mosler

